



A survey on attribute grammars.Part III classified bibliography

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A SURVEY ON ATTRIBUTE GRAMMARS

PART III CLASSIFIED BIBLIOGRAPHY

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A SURVEY ON ATTRIBUTE GRAMMARS

Part III : Classified Bibliography

Abstract : This bibliography is the third part of a Survey on Attribute Grammars consisting of three parts :

- Main Results on Attribute Grammars
- Review of Existing Systems
- Classified Bibliography.

Key Words : Attribute Grammars, Evaluation, Semantics.

Résumé : Cette bibliographie est la troisième partie d'une étude sur les Grammaires Attribuées qui comporte trois parties :

- Principaux Résultats sur les Grammaires Attribuées
- Revue des Systèmes Existants
- Bibliographie Classée.

Mots-clé : Grammaires Attribuées, Evaluation, Sémantique.

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PAPIER RÉCUPÉRÉ ET RÉCYCLÉ

Bibliographic analysis

The bibliography contains about 450 different references. Most of the material published during the last fifteen years after the "historical" paper of Knuth [Knu 68] presenting the method has been collected. All the papers are directly related to some aspects of the method, some of them concern its most quoted theoretical backgrounds (classified in "Miscellaneous").

Criteria of classification

The bibliography is subdivided into ten categories.

- 1 - Allocation (21 ref) all works on space optimization in attribute evaluators (to decrease their static and dynamic size). Some of them are related to time optimizations.
- 2 - Applications (92 ref)

This category is classified into nine fields of applications :

- Program verification (17 ref)
- Data bases (7 ref): attributes are used to describe integrity constraints.
- Data flow analysis (9 ref) this problem, originated from applications to compilation, has applications to data driven languages or unique assignment languages.
- Editors (4 ref) syntax oriented editors; a new growing application.
- Code generation (14 ref): up to now, attribute evaluators have been used to build front-end compilers. More attention is given now to this important part of compiler production systems to specify also the code generation phase.

- Graphs (3 ref) and graph grammars, or any structure which can be formalized by a graph and informations attached to its nodes. Such applications imply generally the use of a more general object than ordinary attribute grammar.
 - Program transformation (8 ref) works in which attributed tree transformations are considered. These works are generally connected to the topic "Programming".
 - Programming (10 ref) some studies are devoted to the use of attribute grammars as a tool to write and structure programs.
 - Meta-compilation (13 ref without code-generation).
- 3 - Circularity (12 ref): All references dealing with the famous (generally exponential) circularity test of attribute grammars.
- 4 - Classification (92 ref): As what has been happening in syntax analysis with context free grammars, the works on attribute evaluators have been leading to a rich variety of attribute grammars organized by some authors into a vaste classification. In that category we have grouped all works on techniques of attribute evaluation, some of them concern directly classification problems and related topics. Numerous papers deal with the theoretical basis of systems documented in the category "Systems".
- 5 - Miscellaneous (66 ref)
- This category is subdivided into six fields :
- General backgrounds on programming and specification (22 ref)
 - Affix Grammars (13 ref)
 - Algebraic semantics (5 ref)
 - Denotational semantics (9 ref)
 - General backgrounds on translators (13 ref)
 - NP-completeness (4 ref)

6 - Examples (25 ref)

Concerns description of languages which have been described by (at least) one attribute grammar. Here are : ADA, ALGOL, EUCLID, FORTRAN, LISP, PEARL, PL/1, SIMULA.

7 - Semantics (45 ref)

All works devoted to the study of formal semantics of attribute grammars.

8 - Reviews (18 ref)

Only one paper is exactly a "review" [Eng 84]. Two are bibliographies whose references on attribute grammars have been included in that one [Räihä 80 b and MN 82]. The remaining works can be considered as pedagogical introductions to ordinary attribute grammar.

9 - Systems (110 ref)

Most of the systems are meta-compiling systems (one is editor oriented - CPS). We could distinguish the "pure systems", which are models for others, as : COPS, CPS, CWS, DELTA, FNC, ERN, FOLDS, GAG, HLP, MUG, LINGUIST 86, LINGUA, NEATS, PENJ, SUPER; from the "derived systems" as PAPA, HLP/SZ, CIS, APARSE, and the "using systems" which use attribute grammar as a support only or are not directly attribute grammar evaluators, as : LILA, SETHI, PERLUETTE, CGSG.

10 - Variations (11 ref)

This last category contains references in which comparisons between different formalisms are made at a formal level (recursive program schemes [CF 82, CD 84], logic programming [DM 84 a, b], W-grammars [DM 78, PS 77], denotational semantics [Gan 79 a, 80 a]) or at a practical level [MLB 76].

Bibliography

- [ABM 84] Adorni G., Boccalatte A., Di Manzo M. : *Top-down Semantic Analysis*. The Computer Journal 27, 3. Pp 233-237 (August 1984).
- [Abo 81] Abouzaid M.F. : *Procédures d'Utilisation des Grammaires d'Attributs*. Thèse de 3ème cycle, Université de Bordeaux I. (June 1981).
- [Aga 76] Agafonov V.N. : *On Attribute Grammars*. Mathematical Foundations of Computer Science, Gdansk (A. Mazurkiewicz ed.), LNCS 45, Springer-Verlag. Pp 169-172 (September 1976).
- [Aho 68] Aho A.V. : *Indexed Grammars, an Extension of Context-Free Grammars*. JACM 15, 4. Pp 647-671 (October 1968).
- [Alb 79] Alblas H. : *The Limitations of Attribute Evaluation in Passes*. Memorandum, Onderafdeling der Informatica, Technische Hogeschool Twente. (1979).
- [Alb 80] Alblas H. : *A Characterization of Attribute Evaluation in Passes*. Memorandum 315, Onderafdeling der Informatica, Technische Hogeschool Twente. (September 1980).
- [Alb 81] Alblas H. : *A Characterization of Attribute Evaluation in Passes*. Acta Informatica 16, 4. Pp 427-464 (1981).
- [Alb 83] Alblas H. : *An Algorithm to Find Minimal Sequences of Pass Directions for Attribute Grammars*. Memorandum INF-83-6, Onderafdeling der Informatica, Technische Hogeschool Twente. (August 1983).
- [Alb 84] Alblas H. : *Transformations of Attributed Program Trees*. Report TL-TR-EXT-84-30, Tartan Laboratories, Pittsburgh, PA. (July 1984).
- [AM 74] Amirchahy M., Mazaud M. : *Projet DELTA: Optimisation de Code Généré par Attributs*. Rapport de Recherche 59, IRIA-Laboria, Rocquencourt. (February 1974).
- [AN 76] Amirchahy M., Néel D. : *L'Optimisation de Code pourra-t-elle s'Affirmer grâce aux Attributs?*. Rapport de Recherche 162, IRIA-Laboria, Rocquencourt. (March 1976).
- [Asb 79] Asbrock B. : *Attribut-Implementierung und-Optimierung für Attributierte Grammatiken*. Universität Karlsruhe, Diplomarbeit. (July 1979).
- [Asp 80] Asp J. : *Description of the Syntax and Static Semantics of Pascal-HB using the Compiler Writing System HLP*. (in Finnish) M.Sc. thesis, Report C-1980-77, Dept. of Computer Science, University of Helsinki. (1980).
- [AU 69] Aho A.V., Ullman J.D. : *Syntax Directed Translations and the Pushdown Assembler*. JCSS 3, 1. Pp 37-56 (February 1969).
- [AU 73] Aho A.V., Ullman J.D. : *The Theory of Parsing, Translation and Compiling (I and II)*. Prentice-Hall, Englewood Cliffs, NJ. (1973).

- [Bab 77] Babich W.A. : *High Level Data Flow Analysis using a Parse Tree Representation of the Program*. Report TR 77-006, Dept. of Computer Science, University of North Carolina, Chapel Hill, NC. (May 1977).
- [Bar 81] Bartha M. : *An Algebraic Definition of Attributed Translations*. University of Szeged, Hungary. (1981).
- [Bar 82] Barbar K. : *Etude Comparative de Différentes Classes de Grammaires d'Attributs Ordonnées*. Thèse de 3ème cycle, Université de Bordeaux I. (June 1982).
- [Bar 83] Barber M.F. : *PARSLEY: a new Compiler-Compiler*. Software Development Tools, Techniques and Alternatives, Arlington, VA. Pp 232-241 (July 1983).
- [Bar 84] Barbar K. : *Classification des Grammaires d'Attributs Ordonnées*. rapport 8412, Université de Bordeaux I. (April 1984).
- [BB 70] Bruno J., Burkhard W.A. : *A Circularity Test for Interpreted Grammars*. Technical Report 88, Computer Science Laboratory, Dept. of electrical Engineering, Princeton University, Princeton, NJ. (1970).
- [BB 73] Blaizot F., Boullier P. : *Projet DELTA: Description d'un Langage Algorithmique à Structure de Blocs*. Rapport de Recherche 35, IRIA-Laboria, Rocquencourt. (October 1973).
- [BBD 81] Bayer M., Böhringer B., Dehottay J.P., Feuerhahn H., Jasper J., Koster C.H.A., Schmiedecke U. : *Software Development in the CDL2 Laboratory*. Software Engineering - Environments (H. Hünke ed.), North-Holland Publishing Co. Pp 97-118 (1981).
- [BBD 83] Barbuti R., Bellia M., Degano P., Levi G., Dameri E., Simonelli C., Martelli A. : *Programming Environment Generation based on Denotational Semantics*. Theory and Practice of Software Technology (D. Ferrari, M. Bolognani, J. Goguen eds.), North-Holland Publishing Co. Pp 51-83 (1983).
- [BBK 82] Bodwin J., Bradley L., Kanda K., Litle D., Pleban U. : *Experience with an Experimental Compiler Generator based on Denotational Semantics*. ACM SIGPLAN'82 Conf. on Compiler Construction, Boston, Mass., SIGPLAN Notices 17, 6. Pp 216-229 (June 1982).
- [BCL 76] Branquart P., Cardinael J.P., Lewi J., Delescaille J.P., Van Begin M. : *An Optimized Translation Process and its Application to ALGOL 68*. LNCS 38, Springer-Verlag. (1976).
- [BCL 77] Branquart P., Cardinael J.P., Lewi J., Delescaille J.P., Van Begin M. : *A Simple Translation Automaton Allowing the Generation of Optimized Code*. Methods of Algorithmic Language Implementation (A. Ershov, C.H.A. Koster eds.), LNCS 47, Springer-Verlag. Pp 209-217 (1977).
- [BDJ 83] Boullier P., Deschamp P., Jourdan M. : *Spécification et Réalisation d'un Traducteur Pascal-Ada*. Journées ADA de l'AFCET, Lausanne, Switzerland (J. André, A. Strohmeier eds.). Pp 9-29 (December 1983).
- [BDJ 84] Boullier P., Deschamp P., Jourdan M. : *Application d'Outils de Haut Niveau à la Réalisation d'un Traducteur Automatique Pascal-Ada*. 2ème Coll. AFCET de Génie Logiciel, Nice. Pp 375-385 (June 1984).

- [BDS 82] Boccalatte A., DiManzo M., Sciarra D. : *Error Recovery with Attribute Grammars*. The Computer Journal 25, 3. Pp 331-336 (August 1982).
- [BG 81] Bartmuss G., Giegerich R. : *Compiler Development with MUG2-an Introductory Example*. Bericht TUM-INFO-8102, Institut für Informatik, Technische Universität München. (April 1981).
- [Bir 84] Bircsak J.A. : *Incorporating Conditional Semantic Rules in the CIS Compiler Generator*. Senior thesis, Dept. of Computer and Information Sciences, Moore School of Electrical Engineering D2, University of Pennsylvania, Philadelphia, PA. (May 1984).
- [BJ 78] Babich W.A., Jazayeri M. : *The Method of Attributes for Data Flow Analysis. Part 1: Exhaustive Analysis, part 2: Demand Analysis*. Acta Informatica 10, 3. Pp 245-272 (October 1978).
- [Bjö 77a] Björner D. : *Programming Languages: Formal Development of Interpreters and Compilers*. Report ID673, Dept. of Computer Science, Technical University of Denmark, Lyngby. (1977).
- [Bjö 77b] Björner D. : *Programming Languages: Formal Development of Programming Languages and Compilers*. Int. Computing Symp., Liège (E. Morlet, D. Ribbons eds.), North Holland Publishing Co. Pp 1-21 (April 1977).
- [BKS 79a] Biryukov A.N., Kurochkin V.M., Serebryakov V.A. : *A Compiler-Construction System based on the Homogeneous and Universal Approach*. (in Russian) Abstracts for the First All-Union Conf. on Programming Technology, Kiev. Pp ?? (1979).
- [BKS 79b] Biryukov A.N., Kurochkin V.M., Serebryakov V.A. : *Global Attributes and their Use in Describing Programming Languages*. (in Russian) Symbolic Data Processing, Issue 5, Computing Center, Academy of Sciences of the USSR, Moscow. Pp ?? (1979).
- [BKS 80] Biryukov A.N., Kurochkin V.M., Serebryakov V.A. : *Global Attributes and their Use for the Definition of a Programming Language*. Zh. Vychisl. Mat. Fiz. 20, 5. Pp 1284-1293 (1980).
- [BKS 81] Biryukov A.N., Kurochkin V.M., Serebryakov V.A. : *Structural Attributes and their Implementation in the Translator Writing System SUPER*. (in Russian) Programmirovaniye 2. Pp 52-? (1981).
- [BL 73] Bochmann G.V., Lecarme O. : *Un Système d'Ecriture de Compilateurs. Manuel d'Utilisation*. Document de Travail 44, Département d'Informatique, Université de Montréal. (1973).
- [Bla 73a] Blaizot L. : *Introduction à la Notion d'Attributs Sémantiques*. Structure et Programmation des Calculateurs 1973 (M. Kronental, B. Lorho ed.), Séminaires IRIA, Rocquencourt. Pp 253-273 (1973).
- [Bla 73b] Blaizot L. : *DELTA: Système de Description de Langages et de Traducteurs par Attributs*. Rapport de Recherche 20, IRIA-Laboria, Rocquencourt. (June 1973).
- [BM 80] Boccalatte A., Di Manzo M. : *An Approach to the Detection of Semantic Errors*. The Computer Journal 23, 4. Pp 317-323 (1980).
- [Boc 73a] Bochmann G.V. : *Semantics Evaluated from Left to Right*. Publication 135, Département d'Informatique, Université de Montréal. (June 1973).

- [Boc 73b] Bochmann G.V. : *Semantic Equivalence of Syntactically Related Attribute Grammars*. Publication 148, Département d'Informatique, Université de Montréal. (November 1973).
- [Boc 74] Bochmann G.V. : *Attribute Grammars and Compilation: Program Evaluation in Several Phases*. Document de Travail 54, Département d'Informatique, Université de Montréal. (August 1974).
- [Boc 75a] Bochmann G.V. : *Semantic Attributes for Grammars with Regular Expressions*. Publication 195, Département d'Informatique, Université de Montréal. (1975).
- [Boc 75b] Bochmann G.V. : *Semantic Equivalence of Covering Attribute Grammars*. Publication 218, Département d'Informatique, Université de Montréal. (December 1975).
- [Boc 76] Bochmann G.V. : *Semantic Evaluation from Left to Right*. CACM 19, 2. Pp 55-62 (February 1976).
- [Bor 75] Borowiec J. : *Pragmatics in a Compiler-Construction System*. (in Russian) Procs. of the All-Union Symp. on Methods of Implementing New Algorithmic Languages, Part 2, Novosibirsk. Pp 210-? (1975).
- [Bor 77] Borowiec J. : *Pragmatics in a Compiler Production System*. Methods of Algorithmic Language Implementation (A. Ershov, C.H.A. Koster eds.), LNCS 47, Springer-Verlag. Pp 314-340 (1977).
- [Bor 78] Borowiec J. : *Metalanguages of the Compiler Production System COPS*. GI Fachgespräch »Compiler-Compiler«, Berlin (W. Henhapl ed.), Fachbereich Informatik, Technische Hochschule Darmstadt. Pp 122-159 (1978).
- [Bou 73] Bouchenez J.L. : *Système de Description de Langages et de Traducteurs par Attributs. Présentation du Système*. Structure et Programmation des Calculateurs 1973 (M. Kronental, B. Lorho ed.), Séminaires IRIA, Rocquencourt. Pp 317-328 (1973).
- [BPS 73a] Bouckaert M., Pirotte A., Snelling M. : *SOFT: a Tool for Writing Software*. Report R212, MBLE Research Laboratory, Brussels. (January 1973).
- [BPS 73b] Bouckaert M., Pirotte A., Snelling M. : *Utilisation des Attributs dans un Système d'Ecriture de Software*. Structure et Programmation des Calculateurs 1973 (M. Kronental, B. Lorho ed.), Séminaires IRIA, Rocquencourt. Pp 291-315 (1973).
- [BR 79] Blattner M., Ramanathan J. : *Attributed Metaforms for Top-down Design and Analysis of Programs*. 1979 Conf. on Information Sciences and Systems, John Hopkins University, Baltimore, MD. Pp 200-206 (March 1979).
- [BR 81] Boullier P., Ripken K. : *Building an ADA Compiler following Meta-Compilation Methods*. Séminaires Langages et Traducteurs 1978-1981, INRIA, Rocquencourt. Pp 99-140 (1981).
- [BT 84] Bartmuss G., Thürmel S. : *MUG Einführung*. Interner Bericht, Institut für Informatik, Technische Universität München. (April 1984).
- [BW 75] Bochmann G.V., Ward P. : *Compiler Writing System for Attribute Grammars*. Publication 199, Département d'Informatique, Université de Montréal. (July 1975).

- [BW 78] Bochmann G.V., Ward P. : *Compiler Writing System for Attribute Grammars*. The Computer Journal 21, 2. Pp 144-148 (May 1978).
- [CD 84] Courcelle B., Deransart P. : *Proofs of Partial Correctness for Attribute Grammars and Recursive Procedures*. rapport RR 322, INRIA, Rocquencourt. (July 1984).
- [CF 80a] Courcelle B., Franchi-Zannettacci P. : *Attribute Grammars and Recursive Program Schemes*. rapport 8008, Université de Bordeaux I. (April 1980).
- [CF 80b] Courcelle B., Franchi-Zannettacci P. : *On the Equivalence Problem for Attribute Systems*. rapport 8026, Université de Bordeaux I. (1980).
- [CF 80c] Courcelle B., Franchi-Zannettacci P. : *On the Expressive Power of Attribute Grammars*. 21st IEEE FOCS, Syracuse, NY. Pp 161-172 (October 1980).
- [CF 82] Courcelle B., Franchi-Zannettacci P. : *Attribute Grammars and Recursive Program Schemes (I and II)*. Theoretical Computer Science 17, 2 and 3. Pp 163-191 and 235-257 (1982).
- [CH 79] Cohen R., Harry E. : *Automatic Generation of Near-Optimal Linear-Time Translators for Non-Circular Attribute Grammars*. 6th ACM POPL, San Antonio, TX. Pp 121-134 (January 1979).
- [Che 79] Chebotar K.S. : *Order of Calculation of Semantic Attributes*. Programming and Computer Software 5, 2. Pp 113-117 (March 1979).
- [Che 81] Chebotar K.S. : *Some Modifications of Knuth's Algorithm for Verifying Cyclicity of Attribute Grammars*. Programming and Computer Software 7, 1. Pp 58-61 (January 1981).
- [Chi 76] Chirica L.M. : *Contributions to Compiler Correctness*. PhD thesis, Report UCLA-ENG-7697, Computer Science Dept., University of California, Los Angeles, CA. (October 1976).
- [CJ 83] Christiansen H., Jones N.D. : *Control Flow Treatment in a Simple Semantics-Directed Compiler Generator*. Formal Description of Programming Concepts II (D. Björner ed.), North-Holland Publishing Co. Pp 73-97 (1983).
- [CM 76] Chirica L.M., Martin D.F. : *An Algebraic Formulation of Knuthian Semantics*. 17th IEEE FOCS, Houston, TX. Pp 127-136 (October 1976).
- [CM 78] Chirica L.M., Martin D.F. : *An Order-Algebraic Definition of Knuthian Semantics*. Report TRCS78-2, Dept. of electrical Engineering and Computer Science, University of California, Santa Barbara, California. (October 1978).
- [CM 79] Chirica L.M., Martin D.F. : *An Order-Algebraic Definition of Knuthian Semantics*. Mathematical Systems Theory 13, 1. Pp 1-27 (1979).
- [Cou 81a] Courcelle B. : *Attribute Grammars: Theory and Applications*. rapport 8103, Université de Bordeaux I. (February 1981).
- [Cou 81b] Courcelle B. : *Attribute Grammars: Theory and Applications*. Int. Coll. on Formalization of Programming Concepts, Peniscola, Spain (J. Diaz, I. Ramos eds.), LNCS 107, Springer-Verlag. Pp 75-95 (April 1981).

- [Cou 84]** Courcelle B. : *Attribute Grammars: Definitions, Analysis of Dependencies, Proof Methods*. Methods and Tools for Compiler Construction (B. Lorho ed.), INRIA-CEC Course, Cambridge University Press. Pp 81-102 (1984).
- [CR 81a]** Campbell R.H., Richards P.G. : *SAGA: a System to Automate the Management of Software Production*. Report UIUCDCS-R-81-1048, Dept. of Computer Science, University of Illinois at Urbana-Champaign. (January 1981).
- [CR 81b]** Campbell R.H., Richards P.G. : *SAGA: a System to Automate the Management of Software Production*. 1981 National Computer Conf., Chicago, Il. Pp 231-234 (May 1981).
- [Cul 69]** Culik K. : *Attributed Grammars and Languages*. Publication 3, Département d'Informatique, Université de Montréal. (May 1969).
- [Dam 82]** Damm W. : *The IO- and OI-hierarchies*. TCS 20. Pp 198-231 (1982).
- [Der 77a]** Deransart P. : *Description par Attributs Sémantiques de Lisp pur et Preuve de l'Equivalence de la Définition Traductive et de l'Evaluateur*. Rapport de Recherche 220, IRIA-Laboria, Rocquencourt. (March 1977).
- [Der 77b]** Deransart P. : *Définition de Lisp à l'aide d'un Compilateur*. Rapport de Recherche 224, IRIA-Laboria, Rocquencourt. (March 1977).
- [Der 77c]** Deransart P. : *Definition and Implementation of a Lisp System using Semantic Attributes*. 5th Annual III Conf., Guidel (J. André, J.-P. Banâtre eds.), IRIA, Rocquencourt. Pp 25-39 (May 1977).
- [Der 78a]** Deransart P. : *Technique de Preuve par Attributs Appliquée à un Compilateur Lisp*. Rapport de Recherche 271, IRIA-Laboria, Rocquencourt. (January 1978).
- [Der 78b]** Deransart P. : *Preuve et Génération d'Attributs Sémantiques*. Rapport de Recherche 302, IRIA-Laboria, Rocquencourt. (May 1978).
- [Der 78c]** Deransart P. : *Preuve et Génération d'Attributs Sémantiques*. Théorie et Techniques de - l'Informatique, Vol. 1, Gif-sur-Yvette, Coll. AFCET. Pp 412-422 (November 1978).
- [Der 78d]** Deransart P. : *Proof and Synthesis of Semantic Attributes in Compiler Definition*. Rapport de Recherche 333, IRIA-Laboria, Rocquencourt. (December 1978).
- [Der 79a]** Deransart P. : *Proof by Semantic Attributes of a Lisp Compiler*. The Computer Journal 22, 3. Pp 240-245 (August 1979).
- [Der 79b]** Deransart P. : *Synthèse Automatique de Traductions Définies par Attributs Sémantiques*. - Reconnaissance des Formes et Intelligence Artificielle, 2ème Congrès AFCET-INRIA, Toulouse, Vol. 1. Pp 111-120 (September 1979).
- [Der 83]** Deransart P. : *Logical Attribute Grammars*. IFIP'83, Paris (R.E.A. Mason ed.), North-Holland Publishing Co. Pp 463-469 (September 1983).
- [Der 84]** Deransart P. : *Validation des Grammaires d'Attributs*. Thèse d'Etat, Université de Bordeaux I (Num. 822). (October 1984).

- [Des 82] Deschamp P. : *Perluette: a Compilers Producing System using Abstract Data Types*. 5th Int. Symp. on Programming, Torino (M. Dezani-Ciancaglini, U. Montanari eds.), LNCS 137, - Springer-Verlag. Pp 63-77 (April 1982).
- [DFK 76] Dehottay J.P., Feuerhahn H., Koster C.H.A., Stahl H.M. : *Syntaktische Beschreibung von CDL2*. Bericht, Forschungsgruppe PC 2, FB 20, Technische Universität Berlin. (September 1976).
- [DG 76] Della Vigna P., Ghezzi C. : *Data Structures and Graph Grammars*. ECI Conf. 1976, Amsterdam (K. Samelson ed.), LNCS 44, Springer-Verlag. Pp 130-145 (August 1976).
- [DG 82] Damm W., Goerdt A. : *An Automata-theoretic Characterization of the OI-Hierarchy*. 9-th ICALP, Aarhus. Pp 141-153 (1982).
- [DH 81] Duncan A.G., Hutchison J.S. : *Using Attribute Grammars to test Designs and Implementations*. 5th Int. Conf. on Software Engineering, San Diego, CA. Pp 170-178 (March 1981).
- [DIN 80] Deutsche Industrie Norma : *Programmiersprache PEARL*. DIN 66253, Teil 2, Normentwurf, Reuth-Verlag. (1980).
- [Dio 78] Dion B.A. : *Locally Least-Cost Error Correctors for Context-free and Context-sensitive Parsers*. Report TR 344, Computer Sciences Dept., University of Wisconsin-Madison. (December 1978).
- [DJL 83] Deransart P., Jourdan M., Lorho B. : *Speeding up Circularity Tests for Attribute Grammars*. rapport RR 211, INRIA, Rocquencourt. (May 1983).
- [DJL 84] Deransart P., Jourdan M., Lorho B. : *Speeding up Circularity Tests for Attribute Grammars*. Acta Informatica 21. Pp 375-391 (December 1984).
- [DM 78] Dembinski P., Maluszynski J. : *Attribute Grammars and Two-level Grammars: a Unifying Approach*. Mathematical Foundations of Computer Science, Zakopane (J. Winkowski ed.), LNCS 64, Springer-Verlag. Pp 143-154 (September 1978).
- [DM 84a] Deransart P., Maluszynski J. : *Relating Logic Programs and Attribute Grammars*. Report, Linköping Institute of Technology, Linköping, Sweden (also published as INRIA Report 393, 1985). (October 1984).
- [DM 84b] Deransart P., Maluszynski J. : *Modelling Data Dependencies in Logic Programs by Attribute Schemata*. rapport RR 323, INRIA, Rocquencourt (also published as Linköping Report, October 1984). (July 1984).
- [Döb 78] Döbeling K. : *Festlegung Zweier Sprachklassen mit Hilfe Attributierter Grammatiken*. Diplomarbeit, Technische Universität Hannover. (1978).
- [DPS 77] Duske J., Parchmann R., Sedello M., Specht J. : *IO-Macrolanguages and Attributed Translations*. Information and Control 35, 2. Pp 87-105 (October 1977).
- [Dre 72] Dreisbach T.A. : *A Declarative Semantic Definition of PL360*. Ma. thesis, Report UCLA-ENG-7289, Computer Science Dept., University of California, Los Angeles, California. (October 1972).

- [DRT 81] Demers A., Reps T., Teitelbaum T. : *Incremental Evaluation for Attribute Grammars with Application to Syntax-directed Editors*. 8th ACM POPL, Williamsburg, VA. Pp 105-116 (January 1981).
- [DUP 82] Drossopoulos S., Uhl J., Persch G., Goos G., Dausmann M., Winterstein G. : *An Attribute Grammar for ADA*. ACM SIGPLAN'82 Conf. on Compiler Construction, Boston, Mass., SIGPLAN Notices 17, 6. Pp 334-349 (June 1982).
- [EF 80a] Engelfriet J., Filè G. : *Formal Properties of One-Visit and Multi-Pass Attribute Grammars*. 7th ICALP, Noordwijkerhout (J. de Bakker, J. van Leeuwen eds.), LNCS 85, Springer-Verlag. Pp 182-194 (July 1980).
- [EF 80b] Engelfriet J., Filè G. : *Simple Multi-Visit Attribute Grammars*. Memorandum 314, Onderafdeling der Informatica, Technische Hogeschool Twente. (August 1980).
- [EF 80c] Engelfriet J., Filè G. : *Passes and Paths of Attribute Grammars*. Memorandum 323, Onderafdeling der Informatica, Technische Hogeschool Twente. (1980).
- [EF 81a] Engelfriet J., Filè G. : *The Formal Power of One-Visit Attribute Grammars*. Acta Informatica 16, 3. Pp 275-302 (1981).
- [EF 81b] Engelfriet J., Filè G. : *Passes and Paths of Attribute Grammars*. Information and Control 49, 2. Pp 125-169 (May 1981).
- [EF 81c] Engelfriet J., Filè G. : *Passes, Sweeps and Visits*. 8th ICALP, Acre (S. Even, O. Kariv eds.), LNCS 115, Springer-Verlag. Pp 193-207 (July 1981).
- [EF 82a] Engelfriet J., Filè G. : *Simple Multi-Visit Attribute Grammars*. JCSS 24, 3. Pp 283-314 (June 1982).
- [EF 82b] Engelfriet J., Filè G. : *Passes, Sweeps, and Visits in Attribute Grammars*. Memorandum INF-82-6, Onderafdeling der Informatica, Technische Hogeschool Twente. (August 1982).
- [Eng 75] Engelfriet J. : *Bottom-up and Top-down Tree Transformations—a Comparison*. Mathematical Systems Theory 9, 3. Pp 198-231 (September 1975).
- [Eng 80] Engelfriet J. : *Some Open Questions and Recent Results on Tree Transducers and Tree Languages*. Formal Language Theory: Perspectives and open problems (R.V. Book ed.), Academic Press, New-York. (1980).
- [Eng 81] Engelfriet J. : *Tree Transducers and Syntax directed Semantics*. Memorandum 363, Onderafdeling der Informatica, Technische Hogeschool Twente. (1981).
- [Eng 82a] Engelfriet J. : *Tree Transducers and Syntax-directed Semantics*. 7th Coll. on Automata in Algebra and Programming, Lille. Pp 82-107 (March 1982).
- [Eng 82b] Engelfriet J. : *Automata for Attribute Grammars*. Oral presentation, Attrisem meeting, INRIA, Rocquencourt. (November 1982).
- [Eng 82c] Engelfriet J. : *The Complexity of Languages Generated by Attribute Grammars*. Memorandum INF-82-13, Onderafdeling der Informatica, Technische Hogeschool Twente. (November 1982).

- [Eng 84] Engelfriet J. : *Attribute Grammars: Attribute Evaluation Methods*. Methods and Tools for Compiler Construction (B. Lorho ed.), INRIA-CEC Course, Cambridge University Press. Pp 103-138 (1984).
- [ERS 80] Engelfriet J., Rozenberg G., Slutzki G. : *Tree Transducers; L Systems and two-way Machines*. JCSS 20. Pp 150-202 (1980).
- [ES 78] Engelfriet J., Schmidt E.M. : *IO and OI*. JCSS 15 (also JCSS 16 (1978) 67-99). Pp 328-353 (1977).
- [ES 79] Engelfriet J., Slutzki G. : *Bounded Nesting in Macro Grammars*. Information and Control 42, 2. Pp 157-193 (August 1979).
- [ES 82] Engelfriet J., Skyum S. : *The Copying Power of One-State Tree Transducers*. JCSS 25, 3. Pp 418-435 (December 1982).
- [EV 84] Engelfriet J., Vogler H. : *Regular Characterizations of Macro Tree Transducers*. Ninth Colloquium on Trees in Algebra and Programming, Bordeaux (B. Courcelle ed.), Cambridge University Press. Pp 103-117 (March 1984).
- [Fan 72] Fang I. : *FOLDS, a Declarative Formal Language Definition System*. PhD thesis, Report STAN-CS-72-329, Computer Science Dept., Stanford University, Stanford, Ca. (December 1972).
- [Fan 73] Fang I. : *FOLDS, a Declarative Formal Language Definition System*. Structure et Programmation des Calculateurs 1973 (M. Kronental, B. Lorho ed.), Séminaires IRIA, Rocquencourt. Pp 275-290 (1973).
- [Far 77] Farrow R. : *Attributed Grammar Models for Data Flow Analysis*. PhD thesis, Rice University, Houston, TX. (May 1977).
- [Far 82a] Farrow R. : *Experience with an Attribute Grammar based Compiler*. 9th ACM POPL, Albuquerque, NM. Pp 95-107 (January 1982).
- [Far 82b] Farrow R. : *LINGUIST-86 Yet Another Translator Writing System based on Attribute Grammars*. ACM SIGPLAN'82 Symp. on Compiler Construction, Boston, Mass., SIGPLAN Notices 17, 6. Pp 160-171 (June 1982).
- [Far 83a] Farrow R. : *Attribute Grammars and Data-Flow Analysis*. SIGPLAN Notices 18, 6. Pp 28-40 (June 1983).
- [Far 83b] Farrow R. : *Covers of Attribute Grammars and Sub-Protocol Attribute Evaluators*. Technical Report, Dept. of Computer Science, Columbia University, New-York, NY. (September 1983).
- [Far 84] Farrow R. : *Sub-Protocol-Evaluators for Attribute Grammars*. ACM SIGPLAN'84 Symp. on Compiler Construction, Montréal, SIGPLAN Notices 19, 6. Pp 70-80 (June 1984).
- [FH 79] Franzen H., Hoffmann B. : *Automatic Determination of Data Flow in Extended Affix Grammars*. Project EAGLE, Research Group SWT, Technische Universität Berlin. (August 1979).

- [FHS 78] Franzen H., Hoffmann B., Schmiedecke I. : *Using Two-level Language Descriptions for Compiler Generation*. GI Fachgespräch Compiler-Compiler, Berlin (W. Henhalp ed.), Fachbereich Informatik, Technische Hochschule Darmstadt. Pp 72-95 (1978).
- [Fil 81] Filè G. : *Interpretation and Reduction of Attribute Grammars*. Memorandum 359, Onderafdeling der Informatica, Technische Hogeschool Twente. (1981).
- [Fil 83a] Filè G. : *Machines for Attribute Grammars*. Memorandum INF-83-2, Onderafdeling der Informatica, Technische Hogeschool Twente. (January 1983).
- [Fil 83b] Filè G. : *Interpretation and Reduction of Attribute Grammars*. Acta Informatica 19. Pp 115-150 (1983).
- [Fil 83c] Filè G. : *Theory of Attribute Grammars*. Dissertation, Onderafdeling der Informatica, Technische Hogeschool Twente. (1983).
- [Fis 68a] Fischer M.J. : *Grammars with Macro-like Productions*. PhD thesis, Harvard University. (1968).
- [Fis 68b] Fischer M.J. : *Grammars with Macro-like Productions*. 9th Symp. on SWAT. Pp 131-142 (1968).
- [FKZ 76] Farrow R., Kennedy K., Zucconi L. : *Graph Grammars and Global Program Flow Analysis*. 17th IEEE FOCS, Houston, TX. Pp 42-56 (October 1976).
- [Fra 82] Franchi-Zannettacci P. : *Attributs Sémantiques et Schémas de Programmes*. Thèse d'Etat, Université de Bordeaux I. (March 1982).
- [Fül 81] Fülöp Z. : *On Attributed Tree Transducers*. Acta Cybernetica 5. Pp 261-279 (1981).
- [FY 85] Farrow R., Yellin D. : *A Comparison of Storage Optimizations in Automatically-Generated Attribute Evaluators*. Technical Report, Dept. of Computer Science, Columbia University, New York, NY. (January 1985).
- [Gal 83] Gallier J.H. : *An Efficient Evaluator for Attribute Grammars with Conditionnal Rules*. Technical Report, Dept. of Computer and Information Sciences, Moore School of Electrical Engineering D2, University of Pennsylvania, Philadelphia, PA. (October 1983 (revised May 1984)).
- [Gan 73] Ganzinger H. : *Drei Methoden zur Beschreibung der Semantik von Programmiersprachen und Formalisierung der Semantik eines Algol 68 Subset*. Diplomarbeit, Abteilung Mathematik, Technische Universität München. (November 1973).
- [Gan 74] Ganzinger H. : *Modifizierte Attributierte Grammatiken*. Bericht 7420, Abteilung Mathematik, Technische Universität München. (November 1974).
- [Gan 76] Ganzinger H. : *MUG1 Manual*. Bericht 7608, Institut für Informatik, Technische Universität München. (July 1976).
- [Gan 77] Ganzinger H. : *Deriving Proof Rules for Programming Language Constructs from Static and Dynamic Attribute Structures*. Conf. on Theoretical Computer Science, Waterloo ??? FALSE ??? (August 1977).

- [Gan 78a] Ganzinger H. : *Strukturelle Zusammenhänge zwischen Funktionalen Sprachbeschreibungen und Übersetzerbeschreibungen*. GI Fachgespräch Compiler-Compiler, Berlin (W. Henhalp ed.)-Fachbereich Informatik, Technische Hochschule Darmstadt. Pp 96-119 (1978).
- [Gan 78b] Ganzinger H. : *Optimierende Erzeugung von Übersetzerteilen aus Implementierungsorientierten Sprachbeschreibungen*. Bericht TUM-INFO-7809, Institut für Informatik, Technische Universität München. (May 1978).
- [Gan 79a] Ganzinger H. : *An Approach to the Derivation of Compiler Description Concepts from the Mathematical Semantics Concept*. Fachbereich Compiler-Compiler, GI 9. Jahrestagung, Bonn (K.H. Bohling, P.P. Spies eds.), IFB 19, Springer-Verlag. Pp 206-217 (1979).
- [Gan 79b] Ganzinger H. : *On Storage Optimization for Automatically Generated Compilers*. 4th GI Conf. on Theoretical Computer Science, Aachen (K. Weihrauch ed.), LNCS 67, Springer-Verlag. Pp 132-141 (March 1979).
- [Gan 80a] Ganzinger H. : *Transforming Denotational Semantics into Practical Attribute Grammars*. - Semantics-Directed Compiler Generation (N.D. Jones ed.), LNCS 94, Springer-Verlag. Pp 1-69 (1980).
- [Gan 80b] Ganzinger H. : *Some Principles for the Development of Compiler from Denotational Language Definitions*. Bericht TUM-INFO-8006, Institut für Informatik, Technische Universität München. (May 1980).
- [Gan 80c] Ganapathi M. : *Retargetable Code Generation and Optimization using Attribute Grammars*. PhD thesis, Report TR 406, Computer Science Dept., University of Wisconsin-Madison. (December 1980).
- [Gan 81] Ganzinger H. : *Parametrized Specifications: Parameter Passing and Optimizing Implementation*. Bericht TUM-INFO-8110, Institut für Informatik, Technische Universität München. (August 1981).
- [Gan 82] Ganzinger H. : *An Overview of the Attribute Definition Language ADELE*. GI 3. Fachgespräch Compiler-Compiler, München (W. Henhalp ed.). Pp 22-53 (March 1982).
- [Gan 83a] Ganzinger H. : *Denotational Semantics for Languages with Modules*. Formal Description of Programming Concepts II (D. Björner ed.), North-Holland Publishing Co. Pp 3-23 (1983).
- [Gan 83b] Ganzinger H. : *Increasing Modularity and Language-Independency in Automatically Generated Compilers*. Bericht TUM-I8306, Institut für Informatik, Technische Universität München. (July 1983).
- [Gan 83c] Ganzinger H. : *Modular Compiler Descriptions based on Abstract Semantic Data Types*. 10th ICALP, Barcelona, Spain (J. Diaz ed.), LNCS 154, Springer-Verlag. Pp 237-249 (July 1983).
- [Gan 83d] Ganzinger H. : *Increasing Modularity and Language-Independency in Automatically Generated Compilers*. Science of Computer Programming 3, 3. Pp 223-278 (December 1983).
- [Gau 80] Gaudel M.-C. : *Specification of Compilers as Abstract Data Type Representation*. Semantics-Directed Compiler Generation (N.D. Jones ed.), LNCS 94, Springer-Verlag. Pp 140-164 (1980).

- [Gau 81] Gaudel M.-C. : *Compiler Generation from Formal Definition of Programming Languages: a Survey*. Int. Coll. on Formalization of Programming Concepts, Peniscola, Spain (J. Diaz, I. Ramos eds.), LNCS 107, Springer-Verlag. Pp 96-114 (April 1981).
- [Ger 75] Gerhart S.L. : *Correctness-preserving Program Transformations*. 2nd ACM POPL, Palo Alto, CA. Pp 54-66 (January 1975).
- [GF 82] Ganapathi M., Fisher C.N. : *Description driven Code Generation using Attribute Grammars*. 9th ACM POPL, Albuquerque, NM. Pp 108-119 (January 1982).
- [GG 84] Ganzinger H., Giegerich R. : *Attribute Coupled Grammars*. ACM SIGPLAN'84 Symp. on Compiler Construction, Montréal, SIGPLAN Notices 19, 6. Pp 157-170 (June 1984).
- [GGM 82] Ganzinger H., Giegerich R., Möncke U., Wilhelm R. : *A Truly Generative Semantics-directed Compiler Generator*. ACM SIGPLAN'82 Symp. on Compiler Construction, Boston, Mass., SIGPLAN Notices 17, 6. Pp 172-184 (June 1982).
- [Gie 79] Giegerich R. : *Introduction to the Compiler Generating System MUG2*. Bericht TUM-INFO-7913, Institut für Informatik, Technische Universität München. (May 1979).
- [Gie 82] Giegerich R. : *Automatic Generation of Machine specific Code Optimizers*. 9th ACM POPL, Albuquerque, NM. Pp 75-81 (January 1982).
- [GJ 79] Garey M.R., Johnson D.S. : *Computers and Intractability: a Guide to the Theory of NP Completeness*. Freeman, San Francisco, CA. (1979).
- [GM 81] Giegerich R., Möncke U. : *Invariance of Approximative Semantics with Respect to Program Transformations*. GI 11. Jahrestagung (W. Brauer ed.), IFB 50, Springer-Verlag. Pp 1-10 (1981).
- [GMW 80] Glasner I., Möncke U., Wilhelm R. : *OPTRAN, a Language for the Specification of Program Transformations*. GI 6. Fachtagung »Programmiersprache und Programmentwicklung«, Darmstadt (H.-J. Hoffmann ed.), IFB 25, Springer-Verlag. Pp 125-142 (March 1980).
- [Gor 79] Gordon M.J.C. : *The Denotational Description of Programming Languages*. Springer-Verlag. (1979).
- [Got 82] Gottler H. : *Attributed Graph Grammars for Graphics*. Graph Grammars and their Application to Computer Science, Haus Ohrbeck (H. Ehrig, M. Nagl, G. Rozenberg eds.), LNCS 153, Springer-Verlag. Pp 130-142 (October 1982).
- [Gra 84] Graham S. : *Code Generation and Optimization*. Methods and Tools for Compiler Construction (B. Lorho ed.), INRIA-CEC Course, Cambridge University Press. Pp 251-288 (1984).
- [GRW 76] Ganzinger H., Ripken K., Wilhelm R. : *MUG1-an Incremental Compiler Compiler*. ACM 1976 Annual Conf., Houston, TX. Pp 415-418 (October 1976).
- [GRW 77] Ganzinger H., Ripken K., Wilhelm R. : *Automatic Generation of Optimizing Multipass Compilers*. IFIP'77, Toronto (B. Gilchrist ed.), North-Holland Publishing Co. Pp 535-540 (August 1977).
- [GSM 83] Gyimothy T., Simon E., Makay A. : *An Implementation of the HLP*. Acta Cybernetica 6, 3, Szeged. Pp 315-327 (1983).

- [GW 75] Ganzinger H., Wilhelm R. : *Verschränkung von Compiler Moduln*. GI 5. Jahrestagung, Dortmund (J. Mulbacher ed.), LNCS 34, Springer-Verlag. Pp 654-666 (October 1975).
- [GW 77] Giegerich R., Wilhelm R. : *Implementierbarkeit Attributierter Grammatiken*. GI 7. Jahrestagung, Nurnberg (H.J. Schneider ed.), IFB 10, Springer-Verlag. Pp 17-36 (1977).
- [GW 78a] Giegerich R., Wilhelm R. : *Attribute Evaluation*. Le Point sur la Compilation, Cours CCE, Montpellier (M. Amirchahy, D. Néel eds.), IRIA, Rocquencourt. Pp 337-365 (January 1978).
- [GW 78b] Giegerich R., Wilhelm R. : *Counter-one-pass Features in One-pass Compilation: a Formalization using Attribute Grammars*. Information Processing Letters 7, 6. Pp 279-284 (October 1978).
- [Har 81a] Hartwig M. : *Implementation einer Attribut-Grammatik in SIMULA*. Vorträge der ALGOL-Tagung 1981, Schriftreihe des WBZMKRI, Dresden. (1981).
- [Har 81b] Hartwig M. : *Attribute Evaluation in two Passes*. reprint P-MATH-29/81, Institut fuer Informatik, Akademie der Wissenschaften der DDR, Berlin. (November 1981).
- [Hes 76] Hesse W. : *Vollständige Formale Beschreibung von Programmiersprachen mit Zweischichtigen Grammatiken*. Bericht 7623, Abteilung Mathematik, Technische Universität München. (July 1976).
- [Hii 82] Hiitola K. : *An Attribute Grammar for the Static Semantics of Pascal*. (in Finnish) M.Sc. thesis, Report C-1982-28, Dept. of Computer Science, University of Helsinki. (1982).
- [Hof 82] Hoffmann B. : *Modelling Compiler Generation by Graph Grammars*. Graph Grammars and their Application to Computer Science, Haus Ohrbeck (H. Ehrig, M. Nagl, G. Rozenberg eds.), LNCS 153, Springer-Verlag. Pp 159-171 (October 1982).
- [Hof 83] Hoffmann B. : *Compiler Generation: from Language Definitions to Abstract Compilers*. Bericht 5/83, Fachbereich Mathematik/Informatik, Universität Bremen. (September 1983).
- [Hou 84] Houssais B. : *Analyse d'Erreurs dans les Compilateurs d'Algol 68*. (in french) 2 nd Software Engineering Conference, Nice. Pp 387-402 (June 1984).
- [HS 81] Hoffmann B., Schmiedecke I. : *A Parsing-oriented Derivation Model for Two-level Grammars based on Affix-decorated Parse Trees*. Bericht 81-2, Technische Universität Berlin. (1981).
- [HS 83] Hehner E.C.R., Silverberg B.A. : *Programming with Grammars: an Exercise in Methodology-directed Language Design*. The Computer Journal 26, 3. Pp 277-281 (1983).
- [HU 79] Hopcroft J.E., Ullman J.D. : *Introduction to Automata Theory, Languages and Computation*. Addison-Wesley, Reading, Mass. (1979).
- [HV 80] Heeg G., de Vries E. : *LINGUA-ein Compilergenerator*. Diplomarbeit, Abteilung Informatik, Universität Dortmund. (1980).
- [Iko 79] Ikonen M. : *An Attribute Grammar for PL360*. (in Finnish) M.Sc. thesis, Report C-1979-24, Dept. of Computer Science, University of Helsinki. (1979).
- [Iro 61] Irons E.T. : *A Syntax-directed Compiler for ALGOL 60*. CACM 4, 1. Pp 51-55 (January 1961).

- [Jal 82] Jalili F. : *Design of Incremental Compilers*. PhD thesis, Dept. of Computer and Information Sciences, Moore School of Electrical Engineering D2, University of Pennsylvania, Philadelphia, PA. (1982).
- [Jal 83] Jalili F. : *A General Linear-Time Evaluator for Attribute Grammars*. SIGPLAN Notices 18, 9. Pp 35-44 (September 1983).
- [Jaz 74] Jazayeri M. : *On Attribute Grammars and the Semantic Specification of Programming Languages*. PhD thesis, Report 1159, Jennings Computing Center, Case Western Reserve University, Cleveland, Oh. (October 1974).
- [Jaz 75] Jazayeri M. : *Live Variable Analysis, Attribute Grammars, and Program Optimization*. Manuscript, Dept. of Computer Science, University of North Carolina, Chapel Hill, NC. (March 1975).
- [Jaz 76] Jazayeri M. : *Formal Specification and Automatic Programming*. 2nd Int. Conf. on Software Engineering, San Francisco, CA. Pp 293-296 (October 1976).
- [Jaz 81] Jazayeri M. : *A Simpler Construction for Showing the Intrinsically Exponential Complexity of the Circularity Problem for Attribute Grammars*. JACM 28, 4. Pp 715-720 (October 1981).
- [JD 84] Jullig R.K., DeRemer F. : *Regular Right part Attribute Grammars*. ACM SIGPLAN'84 Symp. on Compiler Construction, Montréal, SIGPLAN Notices 19, 6. Pp 171-189 (June 1984).
- [JF 82] Johnson G.F., Fischer C.N. : *Non syntactic Attribute Flow in Language based Editors*. 9th ACM POPL, Albuquerque, NM. Pp 185-195 (January 1982).
- [JF 85] Johnson G.F., Fisher C.N. : *A Meta Language and System for Nonlocal Incremental Attribute Evaluation in Language-based Editors*. 12th POPL, New-Orleans, Lou. Pp 141-151 (January 1985).
- [JG 83] Jalili F., Gallier J.H. : *A General Incremental Evaluator for Attribute Grammars*. Manuscript, Dept. of Computer and Information Sciences, Moore School of Electrical Engineering D2, University of Pennsylvania, Philadelphia, PA. (March 1983).
- [JM 80] Jones N.D., Madsen C.M. : *Attribute influenced LR parsing*. Semantics-Directed Compiler Generation (N.D. Jones ed.), LNCS 94, Springer-Verlag. Pp 393-407 (1980).
- [JMR 78] Jespersen P., Madsen M., Riis H. : *New Extended Attributed System (NEATS)*. Report DAIMI, Computer Science Dept., Aarhus University. (1978).
- [Joc 77] Jochum G. : *Generierung Optimierter Semantischer Analyse für Ein- und Mehrpass-Übertzer*. Diplomarbeit, Institut für Informatik, Technische Universität München. (November 1977).
- [Joc 81] Jochum G. : *Automatische Konstruktion und Einheitliche Darstellung von Attributauswertungsalgorithmen*. Bericht TUM-INFO-8113, Institut für Informatik, Technische Universität München. (June 1981).
- [Joc 82] Jochum G. : *Effiziente Attributauswertung durch Kombination Verschiedener Strategien*. GI 3. Fachgespräch Compiler-Compiler, München (W. Henhagl ed.). Pp 54-74 (March 1982).
- [Jon 80a] Jones N.D. (ed.) : *Semantic directed Compiler Generation*. LNCS 94, Springer-Verlag. (1980).

- [Jon 80b] Jones N.D. : *Circularity Testing of Attribute Grammars Requires Exponential Time: a Simpler Proof*. Report DAIMI PB-107, Computer Science Dept., Aarhus University. (1980).
- [JOR 75a] Jazayeri M., Ogden W.F., Rounds W.C. : *On the Complexity of Circularity Tests for Attribute Grammars*. 2nd ACM POPL, Palo Alto, CA. Pp 119-129 (January 1975).
- [JOR 75b] Jazayeri M., Ogden W.F., Rounds W.C. : *The Intrinsically Exponential Complexity of the Circularity Problem for Attribute Grammars*. CACM 18, 12. Pp 679-706 (December 1975).
- [Jou 82] Jourdan M. : *Un Evalueur Efficace pour les Grammaires Attribuees Fortement Non Circulaires*. rapport 82-39, Laboratoire d'Informatique Théorique et Programmation, Paris. (September 1982).
- [Jou 83] Jourdan M. : *An Efficient Recursive Evaluator for Strongly Non Circular Attribute Grammars*. rapport RR 235, INRIA, Rocquencourt. (October 1983).
- [Jou 84a] Jourdan M. : *Recursive Evaluators for Attribute Grammars: an Implementation*. Methods and Tools for Compiler Construction (B. Lorho ed.), INRIA-CEC Course, Cambridge University Press. Pp 139-164 (1984).
- [Jou 84b] Jourdan M. : *An Optimal-time Recursive Evaluator for Attribute Grammars*. 6th Int. Symp. on Programming, Toulouse (M. Paul, B. Robinet eds.), LNCS 167, Springer-Verlag. Pp 167-178 (April 1984).
- [Jou 84c] Jourdan M. : *Les Grammaires Attribuees: Implantation, Applications, Optimisations*. Thèse DDI, Université Paris VII. (May 1984).
- [Jou 84d] Jourdan M. : *Strongly Non Circular Attribute Grammars and Their Recursive Evaluation*. ACM SIGPLAN'84 Symp. on Compiler Construction, Montréal, SIGPLAN Notices 19, 6. Pp 81-93 (June 1984).
- [JP 77a] Jazayeri M., Pozefsky D. : *Algorithms for Efficient Evaluation of Multi-pass Attribute Grammars without a Parse Tree*. Report TR 77-001, Dept. of Computer Science, University of North Carolina, Chapel Hill, NC. (February 1977 (revised May 79)).
- [JP 77b] Jazayeri M., Pozefsky D. : *Efficient Evaluation of Multi pass Attribute Grammars without a Parse Tree*. 1977 Conf. on Information Sciences and Systems, John Hopkins University, Baltimore, MD. Pp 184-189 (April 1977).
- [JP 79] Jazayeri M., Pozefsky D. : *Space efficient Storage Management in an Attribute Grammar Evaluator*. Report TR 79-007, Dept. of Computer Science, University of North Carolina, Chapel Hill, NC. (May 1979).
- [JP 80a] Jazayeri M., Pozefsky D. : *A Space Improvement in the Alternating Semantic Evaluator*. Report TR 80-002, Dept. of Computer Science, University of North-Carolina, Chapel Hill, NC. (October 1980).
- [JP 80b] Jazayeri M., Pozefsky D. : *A Space Improvement in the Alternating Semantic Evaluator*. ACM 1980 Annual Conf., Nashville, Te. Pp 498-504 (October 1980).
- [JP 81] Jazayeri M., Pozefsky D. : *Space-efficient Storage Managment in an Attribute Evaluator*. ACM TOPLAS 3, 4. Pp 388-404 (October 1981).

- [JS 81] Jones N.D., Schmidt D.A. : *Compiler Generation from Denotational Semantics*. Séminaires Langages et Traducteurs 1978-1981, INRIA, Rocquencourt. Pp 51-74 (1981).
- [JT 83] Jones N.D., Tofte M. : *Some Principles and Notations for the Construction of Compiler Generators*. Internal Report, Datalogisk Institut, University of Copenhagen. (July 1983).
- [Juu 82] Juutinen L. : *An Attribute Grammar for a Subset of Ada*. (in Finnish) Report C-1982-91, Dept. of Computer Science, University of Helsinki. (1982).
- [JW 75] Jazayeri M., Walter K.G. : *Alternating Semantic Evaluator*. ACM 1975 Annual Conf., Minneapolis, Mi. Pp 230-234 (October 1975).
- [JW 81] Jochum G., Willmertinger W. : *A Tool for Developing Text Processing Systems: Translator Writing Systems*. Bericht TUM-INFO-8103, Institut für Informatik, Technische Universität München. (May 1981).
- [Kam 82] Kamimura T. : *Tree Automata and Attribute Grammars*. Report TR-82-1, Dept. of Computer Science, University of Kansas. (1982).
- [Kam 83] Kamimura T. : *Tree Automata and Attribute Grammars*. 10th ICALP, Barcelona, Spain (J. Diaz ed.), LNCS 154, Springer-Verlag. Pp 374-384 (July 1983).
- [Kar 77] Karttunen M. : *On Circularity Tests for Semantic Attributes*. (in Finnish) M.Sc. thesis, Report C-1977-87, Dept. of Computer Science, University of Helsinki. (1977).
- [Kas 76a] Kastens U. : *Systematische Analyse Semantischer Abhängigkeiten*. GI 4. Fachtagung - Programmiersprachen (H.-J. Schneider, M. Nagl eds.), IFB 1, Springer-Verlag. Pp 19-32 (1976).
- [Kas 76b] Kastens U. : *Ein Übersetzer-erzeugendes System auf der Basis Attributierter Grammatiken*. Interner Bericht 10, Fakultät für Informatik, Universität Karlsruhe. (September 1976).
- [Kas 78a] Kastens U. : *Einführung in Attributierte Grammatiken*. GI Fachgespräch Compiler-Compiler, Berlin (W. Henhalp ed.), Fachbereich Informatik, Technische Hochschule Darmstadt. Pp 9-19 (1978).
- [Kas 78b] Kastens U. : *Ordered Attribute Grammars*. Bericht 7/78, Institut für Informatik II, Universität Karlsruhe. (1978).
- [Kas 79] Kastens U. : *ALADIN Eine Definitionssprache für Attributierte Grammatiken*. Bericht 7/79, Institut für Informatik II, Universität Karlsruhe. (July 1979).
- [Kas 80] Kastens U. : *Ordered Attribute Grammars*. Acta Informatica 13, 3. Pp 229-256 (1980).
- [Kas 84] Kastens U. : *The GAG System A Tool for Compiler Construction*. Methods and Tools for Compiler Construction (B. Lorho ed.), INRIA-CEC Course, Cambridge University Press. Pp 165-182 (1984).
- [Kat 80] Katayama T. : *Translation of Attribute Grammars into Procedures*. Report CS-K-8001, Tokyo Institute of Technology. (July 1980).

- [Kat 81a] Katayama T. : *HFP: a Hierarchical and Functional Programming Methodology based on Attribute Grammars*. Report CS-K-8102, Tokyo Institute of Technology. (January 1981).
- [Kat 81b] Katayama T. : *HFP: a Hierarchical and Functional Programming Methodology based on Attribute Grammars*. 5th Int. Conf. on Software Engineering, San Diego, CA. Pp 343-352 (March 1981).
- [Kat 84] Katayama T. : *Translation of Attribute Grammars into Procedures*. ACM TOPLAS 6, 3. Pp 345-369 (July 1984).
- [Kav 84] Kaviani C. : *Comparaison de deux Méthodes d'Evaluation d'Attributs sémantiques: GAG et ENC*. Thèse de 3ème cycle, Université de Paris VI. (January 1984).
- [Ken 75] Kennedy K. : *Node Listings applied to Data Flow Analysis*. 2nd ACM POPL, Palo Alto, CA. Pp 10-21 (January 1975).
- [Ken 81] Kennedy K. : *A Survey of Data Flow Analysis Techniques*. Program Flow Analysis (S.S. Muchnick, N.D. Jones eds.), Prentice-Hall, Englewoods Cliffs, NJ. Pp 5-54 (1981).
- [KH 81] Katayama T., Hoshino Y. : *Verification of Attribute Grammars*. 8th ACM POPL, Williamsburg, VA. Pp 177-186 (January 1981).
- [KHZ 82] Kastens U., Hutt B., Zimmermann E. : *GAG: A Practical Compiler Generator*. LNCS 141, Springer-Verlag. (1982).
- [KJ 74] Kruszewski S., Jarzabek S. : *COALA-the Object Code of the Compiler Producing System*. (in Polish) Internal Report, Institute of Mathematical Machines - MERA, Warsaw, Poland. (1974).
- [KJ 79] Koskimies K., Juutinen L. : *An Attribute Grammar for the Compile Time Semantics of the Programming Language Euclid*. Report C-1979-130, Dept. of Computer Science, University of Helsinki. (December 1979).
- [KKW 82] Kruszewski M., Kupiecki D., Winiewski J. : *A Resident-Compiler Production Method and its Implementation*. Institute of Mathematical Machines - MERA, Warsaw, Poland. (February 1982).
- [KMM 83] Kristensen B.B., Madsen O.L., Moller Pedersen B., Nygaard K. : *Syntax-directed Program Modularization*. Integrated Interactive Computing Systems (P. Degano, E. Sandewall eds.), North-Holland Publishing Co. Pp 207-219 (1983).
- [KMP 75] Kelleher J., McGriff F., Pozefsky D. : *TAG: Testing Attribute Grammars, Architectural Description*. Dept. of Computer Science, University of North Carolina, Chapel Hill, NC. (May 1975).
- [Knu 68] Knuth D.E. : *Semantics of Context-free Languages*. Mathematical Systems Theory 2, 2. Pp 127-145 (June 1968).
- [Knu 71a] Knuth D.E. : *Semantics of Context-free Languages: Correction*. Mathematical Systems Theory 5, 1. Pp 95-96 (March 1971).
- [Knu 71b] Knuth D.E. : *Examples of Formal Semantics*. Symp. on Semantics of Algorithmic Languages (E. Engeler ed.), LN in Mathematics 188, Springer-Verlag. Pp 212-235 (1971).

- [Kor 80] Kortessalo L. : *Description of the Lexical Metalanguage of HLP using HLP*. (in Finnish) Report C-1980-68, Dept. of Computer Science, University of Helsinki. (July 1980).
- [Kos 71a] Koster C.H.A. : *A Compiler Compiler*. Technical Report MR 127, Mathematisch Centrum, Amsterdam. (1971).
- [Kos 71b] Koster C.H.A. : *Affix Grammars*. Algol 68 Implementation (J.E.L. Peck ed.), North-Holland Publishing Co. Pp 95-109 (1971).
- [Kos 74] Koster C.H.A. : *Using the CDL Compiler-Compiler*. Compiler Construction: An advanced Course (F.L. Bauer, J. Eickel eds.), LNCS 21, Springer-Verlag. Pp 366-426 (1974).
- [Kos 77] Koster C.H.A. : *CDL A Compiler Implementation Language*. Methods of Algorithmic Language Implementation (A. Ershov, C.H.A. Koster eds.), LNCS 47, Springer-Verlag. Pp 341-350 (1977).
- [Kos 81] Koskimies K. : *An Attribute Grammar for a Subset of the Programming Language Euclid*. Report, Dept. of Computer Science, University of Helsinki. (1981).
- [Kos 82] Koskimies K. : *An Experience on Language Implementation using Attribute Grammars*. Report A-1982-2, Dept. of Computer Science, University of Helsinki. (March 1982).
- [Kos 83] Koskimies K. : *Extensions of One-pass Attribute Grammars*. PhD thesis, Report A-1983-4, Dept. of Computer Science, University of Helsinki. (December 1983).
- [Kos 84] Koskimies K. : *A Specification Language for One-pass Semantic Analysis*. ACM SIGPLAN'84 Symp. on Compiler Construction, Montréal, SIGPLAN Notices 19, 6. Pp 179-189 (June 1984).
- [KP 80] Krishnaswamy R., Pyster A.B. : *On the Correctness of Semantic Syntax Directed Tanslations*. JACM 27, 2. Pp 338-355 (April 1980).
- [KP 83] Koskimies K., Paakki J. : *HLP84-Semantic Metalanguage and its Implementation*. Report C-1983-69, Dept. of Computer Science, University of Helsinki. (1983).
- [KPP 84] Keller S.E., Perkins J.A., Payton T.F., Mardinly S.P. : *Tree Transformation Techniques and Experiences*. ACM SIGPLAN'84 Symp. on Compiler Construction, Montréal, SIGPLAN Notices 19, 6. Pp 190-201 (June 1984).
- [KR 79] Kennedy K., Ramanathan J. : *A Deterministic Attribute Grammar Evaluator based on Dynamic Sequencing*. ACM TOPLAS 1, 1. Pp 142-160 (July 1979).
- [KR 81] Koskimies K., Räihä K.-J. : *On the Use of Attribute Grammars for Describing One-Pass Translation*. Manuscript, Dept. of Computer Science, University of Helsinki. (1981).
- [KR 82] Koskimies K., Räihä K.-J. : *Modelling of Space-efficient One-pass Translation using Attribute Grammars*. Report C-1982-63, Dept. of Computer Science, University of Helsinki. (1982).
- [KR 83] Koskimies K., Räihä K.-J. : *Modelling of Space efficient One-pass Translation using Attribute Grammars*. Software - Practice and Experience 13, 2. Pp 119-129 (February 1983).

- [KRS 82] Koskimies K., Räihä K.-J., Sarjakoski M. : *Compiler Construction using Attribute Grammars*. ACM SIGPLAN'82 Symp. on Compiler Construction, Boston, Mass., SIGPLAN Notices 17, 6. Pp 153-159 (June 1982).
- [Krz 75] Krzemien R. : *L'Implantation de Système Lisp sur IRIS 80 en utilisant le Système DELTA*. Rapport interne. (July 1975).
- [Küh 78] Kühling P. : *Affixgrammatiken zur Beschreibung von Programmiersprachen*. Dissertation, Technische Universität Berlin. (1978).
- [Kur 74] Kurki-Suonio R. : *An Exercise on Formal Definition of a simple Data Retrieval System*. Report A7, Dept. of Computer Science, University of Tampere, Tampere, Finland. (August 1974).
- [Kur 75] Kurki-Suonio R. : *Towards Better Structured Definitions of Programming Languages*. Report STAN-CS-75-300, Computer Science Dept., Stanford University, Stanford, CA. (September 1975).
- [KW 76] Kennedy K., Warren S.K. : *Automatic Generation of Efficient Evaluators for Attribute Grammars*. 3rd ACM POPL, Atlanta, Ge. Pp 32-49 (January 1976).
- [KZ 77] Kennedy K., Zucconi L. : *Applications of a Graph Grammar for Program Control Flow Analysis*. 4th ACM POPL, Los Angeles, CA. Pp 72-85 (January 1977).
- [KZ 80] Kastens U., Zimmermann E. : *GAG A Generator based on Attribute Grammars*. Bericht 14/80, Institut für Informatik, Universität Karlsruhe. (1980).
- [KZ 81] Kastens U., Zimmermann E. : *GAG A Generator based on Attribute Grammars*. Séminaires Langages et Traducteurs 1978-1981, INRIA, Rocquencourt. Pp 141-158 (1981).
- [LB 74a] Lecarme O., Bochmann G.V. : *A (truly) Usable and Portable Compiler Writing System*. IFIP'74, Stockholm (J.L. Rosenfeld ed.), North-Holland Publishing Co. Pp 218-221 (August 1974).
- [LB 74b] Lecarme O., Bochmann G.V. : *A Compiler Writing System User's Manual*. Document de travail 57, Département d'informatique, Université de Montréal. (December 1974).
- [LCH 79] Leverett B.W., Cattell R.G.G., Hobbs S.O., Newcomer J.M., Reiner A.H., Schatz B.R., Wulf W.A. : *An Overview of the Production-Quality Compiler-Compiler Project*. Report CMU-CS-79-105, Computer Science Dept, Carnegie-Mellon University, Pittsburgh, PA. (1979).
- [LCH 80] Leverett B.W., Cattell R.G.G., Hobbs S.O., Newcomer J.M., Reiner A.H., Schatz B.R., Wulf W.A. : *An Overview of the Production-Quality Compiler-Compiler Project*. Computer 13, 8. Pp 38-49 (August 1980).
- [LDH 75] Lewi D., De Vlaminc K., Huens J., Mertens P. : *SLS/I: a Translator Writing System*. GI 5. Jahrestagung, Dortmund (J. Muhlbacher ed.), LNCS 34, Springer-Verlag. Pp 627-641 (October 1975).
- [LDH 76] Lewi J., De Vlaminc K., Huens J. : *Project LILA, FIGDRAW and PICO-ALGOL, an experience with LILA in a Course on Compiler Construction*. Report CW4, Applied Mathematics and Programming Division, Katholieke Universiteit Leuven. (January 1976).
- [LDH 77] Lewi J., De Vlaminc K., Huens J., Huybrechts M. : *Project LILA User's Manual*. Report CW7, Applied Mathematics and Programming Division, Katholieke Universiteit Leuven. (1977).

- [LDH 79] Lewi J., De Vlaminc K., Huens J., Huybrechts M. : *A programming Methodology in Compiler Construction (I and II)*. North-Holland Publishing Co. (1979).
- [Lec 75] Lecarme O. : *Practicability and Portability in a Compiler-Construction System*. (in Russian) Procs. of the All-Union Symp. on Methods of Implementing New Algorithmic Languages, Part 1, Novosibirsk. Pp 47-? (1975).
- [Lec 77] Lecarme O. : *Usability and Portability of a Compiler Writing System*. Methods of Algorithmic Language Implementation (A. Ershov, C.H.A. Koster eds.), LNCS 47, Springer-Verlag. Pp 41-62 (1977).
- [Lee 72] Lee C.J.C. : *Translation of Context-free Programming Languages using Semantic Trees*. Technical Report 43, Dept. of Computer Science, University of Toronto. (July 1972).
- [Lor 74] Lorho B. : *De la Définition à la Traduction des Langages de Programmation: Méthode des Attributs Sémantiques*. Thèse d'Etat, Université Paul Sabatier, Toulouse. (November 1974).
- [Lor 77] Lorho B. : *Semantic Attributes Processing in the System DELTA*. Methods of Algorithmic Language Implementation (A. Ershov, C.H.A. Koster eds.), LNCS 47, Springer-Verlag. Pp 21-40 (1977).
- [Lor 84] Lorho B. (ed.) : *Methods and Tools for Compiler Construction, INRIA CEC Course*. Cambridge University Press, Cambridge, UK. (1984).
- [LP 75] Lorho B., Pair C. : *Algorithms for Checking Consistency of Attribute Grammars*. Proving and Improving Programs, Arc et Senans (G. Huet, G. Kahn eds.), Colloques IRIA, Rocquencourt. Pp 29-54 (July 1975).
- [LRS 74] Lewis P.M., Rosenkrantz D.J., Stearns R.E. : *Attributed Translations*. JCSS 9, 4. Pp 279-307 (December 1974).
- [LRS 76] Lewis P.M., Rosenkrantz D.J., Stearns R.E. : *Compiler Design Theory*. Addison-Wesley, Reading, Mass. (1976).
- [LYH 83] Lu P.M., Yau S.S., Hong W. : *A Formal Methodology using Attributed Grammars for Multiprocessing-System Software Development (I.Design Representation II.Validation)*. Information Sciences 30, 2. Pp 79-105 and 107-123 (1983).
- [Mér 80] Méristé M.B. : *Methods of Implementing Attribute Schemes in Compiler-Construction Systems (review)*. Programming and Computer Software 6, 5. Pp 253-261 (September 1980).
- [Mér 81] Méristé M.B. : *Combining the Evaluation of Attributes with Parsing*. (in Russian) Abstracts of Papers at the Soviet Conf. on Translation Methods, Novosibirsk, Vychisl. Tsentr Sib. Otd. Akad. Nauk SSSR. Pp 103-105 (1981).
- [Mad 75] Madsen O.L. : *On the Use of Attribute Grammars in a Practical Translator Writing System*. Ma. thesis, Report DAIMI, Computer Science Dept., Aarhus University. (July 1975).
- [Mad 80a] Madsen O.L. : *On Defining Semantics by means of Extended attribute grammars. - Semantics-Directed Compiler Generation* (N.D. Jones ed.), LNCS 94, Springer-Verlag. Pp 259-299 (1980).

- [Mad 80b] Madsen O.L. : *On Defining Semantics by means of Extended Attribute Grammars*. Report DAIMI PB-109, Computer Science Dept., Aarhus University. (January 1980).
- [Mad 80c] Madsen C.M. : *Parsing Attribute Grammars*. Thesis, Computer Science Dept., Aarhus University. (1980).
- [Mad 80d] Madsen O.L. : *Towards a Practical and General Translator Writing System*. Report DAIMI, Computer Science Dept., Aarhus University. (March 1980).
- [Mai 78] Maier D. : *The Complexity of some Problems on Subsequences and Supersequences*. JACM 25, 2. Pp 322-336 (April 1978).
- [Mak 82] Makarov V.P. : *Syntax-directed Translation in the SAGET Translator Generating System*. Preprint IM Akad. Nauk BSSR, 2. Pp 127-? (1982).
- [Mak 83] Makarov V.P. : *Attributed Quasitranslation Grammars and their Implementation in the SAGET Translator Generation System*. Programming and Computer Software 9, 2. Pp 85-90 (March 1983).
- [Mar 75] Marque-Pucheu M. : *Application de la Méthode des Attributs à la Définition des Compilateurs*. Proving and Improving Programs, Arc et Senans (G. Huet, G. Kahn eds.), Colloques IRIA, Rocquencourt. Pp 263-283 (July 1975).
- [Mau 72] Maurer W.D. : *A Semantic Extension of BNF*. Int. Jour. of Computer Mathematics, Section A, Vol. 3, 2. Pp 157-176 (September 1972).
- [May 78] Mayoh B.H. : *Attribute Grammars and Mathematical Semantics*. Report DAIMI PB-90, Computer Science Dept., Aarhus University. (August 1978).
- [May 81] Mayoh B.H. : *Attribute Grammars and Mathematical Semantics*. SIAM Jour. on Computing 10, 3. Pp 503-518 (August 1981).
- [McE 83] McEnerney J.M. : *A General Compiler Generator based on Attribute Grammars*. Senior thesis, Dept. of Computer and Information Sciences, Moore School of Electrical Engineering D2, University of Pennsylvania, Philadelphia, PA. (June 1983).
- [Mer 77] Merkle R.C. : *Evaluators for Attribute Grammars*. M.Sc. thesis, Computer Science Dept., University of California, Berkeley, CA. (March 1977).
- [MF 79] Milton D.R., Fischer C.N. : *LL(k) Parsing for Attributed Grammars*. 6th ICALP, Graz (H.A. Maurer ed.), LNCS 71, Springer-Verlag. Pp 422-430 (July 1979).
- [Mil 77] Milton D.R. : *Syntactic Specification and Analysis with Attributed Grammars*. PhD thesis, Report TR 304, Computer Sciences Dept., University of Wisconsin-Madison. (August 1977).
- [MKR 79] Milton D.R., Kirchoff L.W., Rowland B.R. : *An ALL(1) Compiler Generator*. ACM SIGPLAN'79 Symp. on Compiler Construction, Denver, Co, SIGPLAN Notices 14, 8. Pp 152-157 (August 1979).
- [MKS 76] Madsen O.L., Kristensen B.B., Staunstrup J. : *Use of Design Criteria for Intermediate Languages*. Report DAIMI PB-59, Computer Science Dept., Aarhus University. (August 1976).

- [MLB 76] Marcotty M., Ledgard H.F., Bochmann G.V. : *A Sampler of Formal Definitions*. Computing Surveys 8, 2. Pp 191-276 (June 1976).
- [MN 82] Meijer H., Nijholt A. : *Translator Writing Tools since 1970: a Selective Bibliography*. SIGPLAN Notices 17, 10. Pp 62-72 (October 1982).
- [MP 80] Makarov V.P., Peshkov V.G. : *The Translator Generating System SAGET*. (in Russian) - Computer-Aided Generation of Application Packages (Automatic Translator Generation), Abstract of Papers, Tallin Polytechnic Institute. (1980).
- [MV 70] Martin J.F., Vere S.A. : *On Syntax-directed Transduction and Tree Transducers*. 2nd Annual ACM Symp. on Theory of Computing, Northampton, Mass. Pp 129-135 (May 1970).
- [MW 82] Möncke U., Wilhelm R. : *Iterative Algorithms on Grammar Graphs*. Conf. on Graphtheoretic Concepts in Computer Science (WG82), Neunkirchen a.Br. (H.J. Schneider, H. Gottler eds.), Hanser. Pp 177-194 (June 1982).
- [MWW 84] Möncke U., Weisgerber B., Wilhelm R. : *How to Implement a System for Manipulation of Attributed Trees*. GI 8. Fachtagung Programmiersprachen und Proagentwicklung, Zürich (U. Ammann ed.), IFB 77, Springer-Verlag. Pp 112-127 (March 1984).
- [Née 75] Néel D. : *Contribution à la Formalisation de l'Amélioration de Code par Attributs Sémantiques*. Thèse d'Etat, Université P. et M. Curie, Paris and IRIA, Rocquencourt. (1975).
- [NA 74] Néel D., Amirchahy M. : *Semantic Attributes and Improvement of Generated Code*. ACM 1974 Annual Conf., San Diego, CA. Pp 1-10 (November 1974).
- [NA 75] Néel D., Amirchahy M. : *Removal of Invariant Statements from Nested Loops in a Single Effective Compiler Pass*. Conf. on Programming Languages and Compilers for Parallel and Vector Machines, New-York, NY, SIGPLAN Notices 10, 3. Pp 87-96 (March 1975).
- [NAM 74] Néel D., Amirchahy M., Mazaud M. : *Optimization of Generated Code by means of Attributes: Local Elimination of Common Redundant Sub-expressions*. GI 4. Jahrestagung, Berlin (D. Siefkes ed.), LNCS 26, Springer-Verlag. Pp 247-256 (October 1974).
- [Noo 75] Noonan R.E. : *Structured Programming and Formal Specification*. IEEE Trans. on Software Engineering SE-1, 4. Pp 421-425 (December 1975).
- [Nor 76] Nordström M. : *A Method for Defining Formal Semantics of Programming Languages applied to SIMULA*. PhD thesis, Dept. of Computer Sciences, University of Uppsala. (June 1976).
- [NSS 82] Nurmi O., Sarjakoski M., Sippu S. : *The HLP'84 Project*. Note, Dept. of Computer Science, University of Helsinki. (March 1982).
- [Oba 82] Obaid A. : *Evaluateurs Optimisés pour les Grammaires d'Attributs Fortement Non circulaires*. Thèse de 3ème cycle, Université de Bordeaux I. (June 1982).
- [PAN 76] Pair C., Amirchahy M., Néel D. : *Preuves de Descriptions de Traitements de Textes par Attributs*. Rapport de Recherche 163, IRIA-Laboria, Rocquencourt. (March 1976).

- [PAN 79] Pair C., Amirchahy M., Néel D. : *Correctness Proofs of Syntax-directed Processing Descriptions by Attributes*. JCSS 19, 1. Pp 1-17 (August 1979).
- [Pap 79] Papakonstantinou G.K. : *A Poor Man's Realization of Attribute Grammars*. Software - Practice and Experience 9, 9. Pp 719-728 (September 1979).
- [Pap 81] Papakonstantinou G.K. : *An Interpreter of Attribute Grammars and its Application to Waveform Analysis*. IEEE Trans. on Software Engineering SE-7, 3. Pp 279-283 (May 1981).
- [Par 74] Paredaens J. : *A Relation Between Parsers and the Semantic Aspects of a Language*. Report R275, MBL Research Laboratory, Brussels. (November 1974).
- [Par 75] Parchmann R. : *Syntaxgesteuerte Codierung zur Berechnung Arithmetischer Ausdrücke auf einer Parallelmaschine unter Verwendung Knuth'scher Attribute*. Bericht 20, Schriften zur Informatik und Angewandten Mathematik, Rheinisch-Westfälische Technische Hochschule Aachen. (1975).
- [Par 78] Parchmann R. : *Grammatiken mit Attributeschema und Zweistufige Auswertung Attributierter Grammatiken*. Bericht 46, Schriften zur Informatik und Angewandten Mathematik, Rheinisch-Westfälische Technische Hochschule Aachen. (February 1978).
- [Pau 81] Paulson L. : *A Compiler Generator for Semantic Grammars*. PhD thesis, Report STAN-CS-82-893, Dept. of Computer Sciences, Stanford University, Stanford, CA. (1981).
- [Pau 82] Paulson L. : *A Semantics directed Compiler Generator*. 9th ACM POPL, Albuquerque, NM. Pp 224-233 (January 1982).
- [Pau 84] Paulson L. : *Compiler Generation from Denotational Semantics*. Methods and Tools for Compiler Construction (B. Lorho ed.), INRIA-CEC Course, Cambridge University Press. Pp 219-250 (1984).
- [PB 78] Pister A., Buttelmann H.W. : *Semantic syntax directed Translation*. Information and Control 36, 3. Pp 320-361 (March 1978).
- [Pen 77] Penner V. : *Formalisierung der Semantik von Programmiersprachen und Anwendungen*. Bericht 33, Schriften zur Informatik und Angewandten Mathematik, Rheinisch-Westfälische Technische Hochschule Aachen. (June 1977).
- [Pen 79a] Penjam J. : *Methods of Automatic Implementation of Semantics in Translators*. (in Russian) Abstracts for the First All-Union Conf. on Programming Technology, Kiev. Pp ?? (1979).
- [Pen 79b] Penner V. : *Ein LDL compiler*. Bericht, Lehrstuhl für Angewandte Mathematik, Insbesondere Informatik, Rheinisch-Westfälische Technische Hochschule Aachen. (1979).
- [Pen 79c] Penner V. : *Die Eingabesprache LDL für ein Compiler-erzeugendes System und ein Umfassendes Beispiel*. Bericht 50, Schriften zur Informatik und Angewandten Mathematik, Rheinisch-Westfälische Technische Hochschule Aachen. (February 1979).
- [Pen 80a] Penjam J. : *Realization of Attributive Semantics*. Cybernetics 16, 2. Pp 199-206 (November 1980).

- [Pen 80b] Penjam J. : *A Method of Automatic Implementation of Compilers*. Cybernetics 4 ??? FALSE ??? (1980).
- [Pen 83a] Penjam J. : *Synthesis of Semantic Processors from Attribute Grammars*. System Programming Comput. Software 1. Pp 50-60 (1983).
- [Pen 83b] Penjam J. : *Synthesis of a Semantic Processor from an Attribute Grammar*. Programming and Computer Software 9, 1. Pp 29-39 (January 1983).
- [Pet 71] Petrick S.R. : *On the Use of syntax-based Translators for Symbolic and Algebraic Manipulation*. 2nd Symp. on Symbolic and Algebraic Manipulation, Los Angeles, CA (S.R. Petrick ed.). Pp 224-237 (March 1971).
- [Pet 77] Petrik S.R. : *Semantic Interpretation in the REQUEST System*. Computational and Mathematical Linguistics, Vol II (A. Zampolli, N. Calzolari eds.), Leo S. Olschki Editore, Firenze. Pp 585-610 (1977).
- [PJ 78a] Pozefski D., Jazayeri M. : *A Family of Pass-oriented Attribute Grammar Evaluators*. Report TR 78-010, Dept. of Computer Science, University of North Carolina, Chapel Hill, NC. (September 1978).
- [PJ 78b] Pozefski D., Jazayeri M. : *A Family of Pass-oriented Attribute Grammar Evaluators*. ACM 1978 Annual Conf., Washington, DC. Pp 261-270 (December 1978).
- [PKP 82a] Payton T., Keller S., Perkins J., Rowan S., Mardinly S. : *SSAGS, a Syntax and Semantics Analysis and Generation System*. IEEE COMPSAC'82, Chicago, IL. Pp 424-432 (November 1982).
- [PKP 82b] Payton T., Keller S., Perkins J., Rowan S., Mardinly S. : *Design Level Debugging of Attribute Grammars*. Report, SDC - a Burroughs Company, Paoli, PA. (1982).
- [Pla 73] Plath W.J. : *Transformational Grammar and Transformational Parsing in the REQUEST System*. Report RC 4396, IBM Research Center, Yorktown Heights, NY. (May 1973).
- [Pla 75] Plath J.W. : *The REQUEST System*. Report RC 5604, IBM Research Center, Yorktown Heights, NY. (August 1975).
- [Pla 76] Plath W.J. : *REQUEST: a Natural Language Question Answering System*. IBM Jour. of ResD 20, 4. Pp 326-335 (July 1976).
- [Ple 84] Pleban U.F. : *Compiler Prototyping using Formal Semantics*. ACM SIGPLAN'84 Symp. on Compiler Construction, Montréal, SIGPLAN Notices 19, 6. Pp 94-105 (June 1984).
- [Poz 79] Pozefsky D. : *Building Efficient Pass-oriented Attribute Grammar Evaluators*. PhD thesis, Report TR 79-006, Dept. of Computer Science, University of North Carolina, Chapel Hill, NC. (April 1979).
- [PS 77] Paillard J.P., Simonet M. : *Attribute-like W-Grammars. Implementation and Design of Algorithmic Languages*. 5th Annual III Conf., Guidel (J. André, J.-P. Banâtre eds.), IRIA, Rocquencourt. Pp 13-24 (May 1977).

- [QF 82] Quing Yun S., Fu K.S. : *Efficient Error-correcting Parsing for (Attributed and Stochastic) Tree Grammars*. Information Sciences 26, 2. Pp 159-188 (March 1982).
- [RA 84] Reps T., Alpern B. : *Interactive Proof Checking*. 11th ACM POPL, Salt Lake City, Ut. Pp 36-45 (January 1984).
- [Rai 76a] Riih  K.-J. : *Design of the Semantic Phase of the Compiler Writing System HLP*. (in Finnish) Report C-1976-24, Dept. of Computer Science, University of Helsinki. (1976).
- [Rai 76b] Riih  K.-J. : *On Compiler Writing Systems*. NordDATA 76 Conf., Finnish Data Processing Association. Pp 668-679 (1976).
- [Rai 77] Riih  K.-J. : *On Attribute Grammars and their Use in a Compiler Writing System*. Ph. Lic. thesis, Report A-1977-4, Dept. of Computer Science, University of Helsinki. (August 1977).
- [Rai 79] Riih  K.-J. : *Dynamic Allocation of Space for Attribute Instances in Multi pass Evaluators of Attribute Grammars*. ACM SIGPLAN'79 Symp. on Compiler Construction, Denver, Co, SIGPLAN Notices 14, 8. Pp 26-38 (August 1979).
- [Rai 80a] Riih  K.-J. : *Experiences with the Compiler Writing System HLP*. Semantics-Directed Compiler Generation (N.D. Jones ed.), LNCS 94, Springer-Verlag. Pp 350-362 (1980).
- [Rai 80b] Riih  K.-J. : *Bibliography on Attribute Grammars*. SIGPLAN Notices 15, 3. Pp 35-44 (March 1980).
- [Rai 81] Riih  K.-J. : *A Space Management Technique for Multi-pass Attribute Evaluators*. PhD thesis, Report A-1981-4, Dept. of Computer Science, University of Helsinki. (September 1981).
- [Rai 84] Riih  K.-J. : *Attribute Grammar Design using the Compiler Writing System HLP*. Methods and Tools for Compiler Construction (B. Lorho ed.), INRIA-CEC Course, Cambridge University Press. Pp 183-206 (1984).
- [RB 82] Ridjanovic D., Brodie M. : *Defining Database Dynamics with Attribute Grammars*. Information Processing Letters 14, 3. Pp 132-138 (May 1982).
- [RD 85] Reps T., Demers A. : *Sublinear-Space Evaluation Algorithms for Attribute Grammars*. To appear in ACM TOPLAS. (1985).
- [Rep 81] Reps T. : *The Synthesizer Editor Generator: Reference Manual*. Dept. of Computer Science, Cornell University, Ithaca, NY. (September 1981).
- [Rep 82a] Reps T. : *Optimal time Incremental Semantic Analysis for Syntax-directed Editors*. 9th ACM POPL, Albuquerque, NM. Pp 169-176 (January 1982).
- [Rep 82b] Reps T. : *Generating Language-based Environments*. PhD thesis, Report TR 82-514, Dept. of Computer Science, Cornell University, Ithaca, NY. (August 1982).
- [Rep 83] Reps T. : *Static-Semantics Analysis in Language-based Editors*. Digest of Papers of the IEEE Spring CompCon 83, San Francisco, CA. Pp 411-414 (March 1983).
- [Rep 84] Reps T. : *Generating Language based Environments*. M.I.T. Press, Cambridge, Mass. (1984).

- [Rii 80] Riis H. : *Subclasses of Attribute Grammars*. Report DAIMI PB-114, Computer Science Dept., Aarhus University. (1980).
- [Rii 81a] Riis (Nielson) H. : *Computation Sequences: A Way to Characterize Subclasses of Attribute Grammars*. Report DAIMI PB-138, Computer Science Dept., Aarhus University. (1981).
- [Rii 81b] Riis (Nielson) H. : *Using Computation Sequences to Define Evaluators for Attribute Grammars*. Report DAIMI PB-139, Computer Science Dept., Aarhus University. (1981).
- [Rii 83] Riis (Nielson) H. : *Computation Sequences: A Way to Characterize Subclasses of Attribute Grammars*. Acta Informatica 19. Pp 255-268 (1983).
- [Rip 75] Ripken K. : *Generating an Intermediate-Code Generator in a Compiler Writing System*. Int. Computing Symp., Antibes (E. Gelenbe, D. Potier eds.), North-Holland/American Elsevier. Pp 121-127 (June 1975).
- [Rip 77] Ripken K. : *Formale Beschreibung von Maschinen, Implementierungen und Optimierender Maschinencodierung aus Attribuierten Programmgraphen*. Dissertation, Institut für Informatik, Technische Universität München. (1977).
- [Rip 80] Ripken K. : *Application of Meta-Compilation Methods in the Ada Test Translator Development*. GI 10. Jahrestagung (R. Wilhelm ed.), IFB 33, Springer-Verlag. Pp 66-77 (1980).
- [Rou 70] Rounds W.C. : *Mappings and Grammars on Trees*. Mathematical Systems Theory 4, 3. Pp 257-287 (September 1970).
- [Row 77] Rowland B.R. : *Combining Parsing and Evaluation for Attribute Grammars*. PhD thesis, Report TR 308, Computer Science Dept., University of Wisconsin-Madison. (November 1977).
- [RS 70] Rosenkrantz D.J., Stearns R.E. : *Properties of Deterministic Topdown Grammars*. Information and Control 17, 3. Pp 226-256 (October 1970).
- [RS 76] Riihã K.-J., Saarinen M. : *Developments in Compiler Writing Systems*. GI 6. Jahrestagung (E.J. Neuhold ed.), IFB 5, Springer-Verlag. Pp 164-178 (1976).
- [RS 77] Riihã K.-J., Saarinen M. : *An Optimization of the Alternating Semantic Evaluator*. Information Processing Letters 6, 3. Pp 97-100 (June 1977).
- [RS 80] Riis H., Skyum S. : *K-visit Attribute Grammars*. Report DAIMI PB-121, Computer Science Dept., Aarhus University. (June 1980).
- [RS 81] Riis H., Skyum S. : *K-visit Attribute Grammars*. Mathematical Systems Theory 15, 1. Pp 17-28 (December 1981).
- [RS 82a] Riihã K.-J., Saarinen M. : *Testing Attribute Grammars for Circularity*. Acta Informatica 17, 2. Pp 185-192 (1982).
- [RS 82b] Raoult J., Sethi R. : *Properties of a Notation for Combining Functions*. 9th ICALP, Aarhus (M. Nielsen, E.M. Schmidt eds.), LNCS 140, Springer-Verlag. Pp 429-441 (July 1982).

- [RSS 78] R  ih   K.-J., Saarinen M., Soisalon-Soininen E., Tienari M. : *The Compiler Writing System HLP (Helsinki Language Processor)*. Report A-1978-2, Dept. of Computer Science, University of Helsinki. (March 1978).
- [RSS 83] R  ih   K.-J., Saarinen M., Sarjakovski M., Sippu S., Soisalon-Soininen E., Tienari M. : *Revised Report on the Compiler writing System HLP78*. Report A-1983-1, Dept. of Computer Science, University of Helsinki. (January 1983).
- [RT 84a] Reps T., Teitelbaum T. : *The Synthesizer Generator*. ACM SIGSOFT/SIGPLAN Symp. on Practical Software Development Environments, Pittsburgh, PA, SIGPLAN Notices, 19, 5 and Software Eng. Notes, 9, 3. Pp 42-48 (April 1984).
- [RT 84b] Reps T., Teitelbaum T. : *The Synthesizer Generator Reference Manual*. Report TR 84-619, Dept. of Computer Science, Cornell University, Ithaca, NY. (July 1984).
- [RTD 83] Reps T., Teitelbaum T., Demers A. : *Incremental-Context dependent Analysis for Language-based Editors*. ACM TOPLAS 5, 3. Pp 449-477 (July 1983).
- [RU 79a] R  ih   K.-J., Ukkonen E. : *The Shortest Common Supersequence Problem over Binary Alphabet is NP-Complete*. Report C-1979-95, Dept. of Computer Science, University of Helsinki. (November 1979).
- [RU 79b] R  ih   K.-J., Ukkonen E. : *Minimizing the Number of Evaluation Passes for Attribute Grammars*. Report C-1979-121, Dept. of Computer Science, University of Helsinki. (1979).
- [RU 80a] R  ih   K.-J., Ukkonen E. : *On the Optimal Assignment of Attribute to Passes in Multi-pass Attribute Evaluators*. 7th ICALP, Noordwijkerhout (J. de Bakker, J. van Leeuwen eds.), LNCS 85, Springer-Verlag. Pp 500-511 (July 1980).
- [RU 80b] R  ih   K.-J., Ukkonen E. : *Balancing Syntactic and Semantic Power in Compiler Specification*. IFIP'80, Tokyo (S.Lavington ed.), North-Holland Publishing Co. Pp 65-70 (October 1980).
- [RU 81] R  ih   K.-J., Ukkonen E. : *Minimizing the Number of Evaluation Passes for Attribute Grammars*. SIAM Jour. on Computing 10, 4. Pp 772-786 (November 1981).
- [Saa 78] Saarinen M. : *On Constructing Efficient Evaluators for Attribute Grammars*. 5th ICALP, Udine (G. Ausiello, C. Bohm eds.), LNCS 62, Springer-Verlag. Pp 382-397 (July 1978).
- [Sal 80] Salomaa A. : *Grammatical Families*. 7th ICALP, Noordwijkerhout (J. de Bakker, J. van Leeuwen eds.), LNCS 85, Springer-Verlag. Pp 543-554 (July 1980).
- [Sar 82] Sarjakoski M. : *Space Management for Attributes in the Compiler Writing System HLP*. (in Finnish) M.Sc. thesis, Report C-1982-10, Dept. of Computer Science, University of Helsinki. (1982).
- [Sch 76] Schulz W.A. : *Semantic Analysis and Target Language Synthesis in a Translator*. PhD thesis, Dept. of Computer Science, University of Colorado, Boulder, Co. (1976).
- [Sch 77] Schwind C.B. : *Ein Formalismus zur Beschreibung der Syntax und Bedeutung von Frage-Antwort-Systemen*. Bericht TUM-INFO-7710, Institut f  r Informatik, Technische Universit  t M  nchen. (May 1977).

- [Sch 80] Schmidt E.M. : *Space-restricted Attribute Grammars*. Report DAIMI, Computer Science Dept., Aarhus University. (1980).
- [Sch 81] Schramm J.M. : *Un Formalisme pour la Description des Langages et des Traducteurs*. Rapport, Centre de Calcul de l'Esplanade, Université Louis Pasteur, Strasbourg. (November 1981).
- [Set 75] Sethi R. : *Complete Register Allocation Problems*. SIAM Jour. on Computing 4, 3. Pp 226-248 (September 1975).
- [Set 81] Sethi R. : *Control Flow Aspects of Semantics-directed Compiling*. Report CSTR 98, Bell Laboratories, Murray Hill, NJ. (September 1981).
- [Set 82] Sethi R. : *Control Flow Aspects of Semantics-directed Compiling*. ACM SIGPLAN'82 Conf. on Compiler Construction, Boston, Mass., SIGPLAN Notices 17, 6. Pp 245-260 (June 1982).
- [Set 83] Sethi R. : *Control Flow Aspects of Semantics-directed Compiling*. ACM TOPLAS 5, 4. Pp 554-595 (1983).
- [Sii 79] Siitari H. : *An Attribute Grammar for the Programming Language Simula*. (in Finnish) M.Sc. thesis, Report C-1979-90, Dept. of Computer Science, University of Helsinki. (1979).
- [Sil 78] Silverberg B.A. : *Using a Grammatical Formalism as a Programming Language*. Technical Report CSRG-88, Computer Systems Research Group, University of Toronto. (January 1978).
- [Sim 77] Simonet M. : *An Attribute Description of a Subset of Algol 68*. Strathclyde Algol 68 Conf., Glasgow, SIGPLAN Notices 12, 6. Pp 129-137 (June 1977).
- [Sim 84] Simon E. : *Language Extension in HLP/SZ*. Acta Cybernetica 7, 2, Szeged. Pp ?? (1984).
- [Ske 78] Skedzeleski S.K. : *Definition and Use of Attribute Reevaluation in Attributed Grammars*. PhD thesis, Report TR 340, Computer Sciences Dept., University of Wisconsin-Madison. (October 1978).
- [SKJ 80] Schektman Y., Klein B., Jockin J., More R., Pastor J., Vielle D. : *Utilisation des Méta-traducteurs dans la Conception des Logiciels Statistiques. Présentation d'Exemples dans Trois Domaines d'Application*. Data Analysis and Informatics (E. Diday, L. Lebart, J.P. Pages, R. Tomassone eds.), North-Holland Publishing Co. Pp 393-410 (1980).
- [Son 79] Sonnenschein M. : *Implementierung und Theoretische Untersuchungen von Attribut - Auswertungsalgorithmnen und Insbesondere von Treewalk-Evaluatoren im Rahmen eines Compiler-erzeugenden Systems*. Diplomarbeit, Lehrstuhl für Angewandte Informatik, Rheinisch-Westfälische Technische Hochschule Aachen. (1979).
- [Son 83] Sonnenschein M. : *Generierung Effizienter Compiler Teile durch Attributierten Grammatiken Verwandte Konzepte*. Dissertation, Lehrstuhl für Angewandte Informatik, Rheinisch-Westfälische Technische Hochschule Aachen. (1983).
- [SP 82] Stepanov A.N., Popov Y.A. : *Realization of Syntax directed Translation Scheme*. Programming and Computer Software 8, 4. Pp 205-213 (1982).
- [SS 71] Scott D., Strachey C. : *Toward a Mathematical Semantics for Computer Languages*. Computers and Automata (J. Fox ed.), Wiley, New-York. Pp 19-46 (1971).

- [STS 79] Sassa M., Tokuda J., Shinogi T., Inoue K. : *Design and Implementation of a Multipass-Compiler Generator*. Research Report C-24, Dept. of Information Sciences, Tokyo Institute of Technology. (April 1979).
- [STS 80] Sassa M., Tokuda J., Shinogi T., Inoue K. : *Design and Implementation of a Multipass-Compiler Generator*. Jour. of Information Processing 3, 2. Pp 77-86 (1980).
- [Tai 78] Tai K.C. : *Constant Folding within an Expression by Semantic Attributes*. Report TR 78-15, Computer Studies, North Carolina State University, Raleigh, NC. (December 1978).
- [Tar 82a] Tarhio J. : *LR parsing of some Ambiguous Grammars*. Information Processing Letters 14, 3. Pp 101-103 (May 1982).
- [Tar 82b] Tarhio J. : *Attribute Evaluation during LR parsing*. Report A-1982-4, Dept. of Computer Science, University of Helsinki. (September 1982).
- [Tei 79] Teitelbaum T. : *The Cornell Program Synthesizer: a Tutorial Introduction*. Report TR 79-381, Dept. of Computer Science, Cornell University, Ithaca, NY. (July 1979 (revised June 1980)).
- [Tha 73] Thatcher J.W. : *Tree Automata: an Informal Survey*. Currents in the Theory of Computing (A.V. Aho ed.), Prentice-Hall, Englewoods Cliffs, NJ. Pp 143-172 (1973).
- [Tho 76] Thomas J.W. : *Module Interconnection in Programming Systems supporting Abstraction*. PhD thesis, Technical Report CS-16, Computer Science Program, Brown University, Providence, RI. (April 1976).
- [Tho 82] Thomason M.G. : *Syntactic/Semantic Techniques in Pattern Recognition: A Survey*. Int. Jour. of Computer and Information Sciences 11, 2. Pp 75-100 (April 1982).
- [Tie 78] Tienari M. : *Research on Programming Languages and Compilers*. Data 11-78. Pp 75-78 (1978).
- [Tie 79] Tienari M. : *A Note on the Definition of Attribute Grammar*. Report C-1979-29, Dept. of Computer Science, University of Helsinki. (March 1979).
- [Tie 80] Tienari M. : *On the Definition of an Attribute Grammar*. Semantics-Directed Compiler Generation (N.D. Jones ed.), LNCS 94, Springer-Verlag. Pp 408-414 (1980).
- [TR 80] Teitelbaum T., Reps T. : *The Cornell Program Synthesizer: a Syntax-directed Programming Environment*. Report TR 80-421, Dept. of Computer Science, Cornell University, Ithaca, NY. (May 1980).
- [TR 81] Teitelbaum T., Reps T. : *The Cornell Program Synthesizer: a Syntax-directed Programming Environment*. CACM 24, 9. Pp 563-573 (September 1981).
- [TRH 81] Teitelbaum T., Reps T., Horowitz S. : *The Why and Wherefore of the Cornell Program Synthesizer*. SIGPLAN Notices 16, 6. Pp 8-16 (June 1981).
- [Tus 74] Tusera D. : *Exemple of Transformation of a Derivation Tree for an Expression by Semantic Attributes*. IFIP'74, Stockholm (J.L. Rosenfeld ed.), North-Holland Publishing Co. Pp 381-385 (August 1974).

- [Tyu 77] Tyugu E.H. : *A Programming System with Automatic Program Synthesis*. Methods of Algorithmic Language Implementation (A. Ershov, C.H.A. Koster eds.), LNCS 47, Springer-Verlag. Pp 251-267 (1977).
- [Tyu 80] Tyugu E.H. : *Towards Practical Synthesis of Programs*. IFIP'80, Tokyo (S.H. Lavington ed.), North-Holland Publishing Co. Pp 207-219 (October 1980).
- [UDP 82] Uhl J., Drossopoulos S., Persch G., Goos G., Daussmann M., Winterstein G., Kirchgassner W. : *An Attributed Grammar for the Semantic Analysis of ADA*. LNCS 139, Springer-Verlag. (1982).
- [VaK 83] Van Katwijk J. : *A Preprocessor for YACC or a Poor Man's Approach to Parsing Attributed Grammars*. SIGPLAN Notices 18, 10. Pp 12-15 (October 1983).
- [VM 82] Vooglaid A.O., Méristé M.B. : *Abstract Attribute Grammars*. Programming and Computer Software 8, 5. Pp 242-251 (September 1982).
- [VMM 82] Volozh B.B., Matskin M.B., Mints G.E., Tyugu E.K. : *The PRIZ System and Propositional Calculus*. Cybernetics 18, 6. Pp 777-788 (June 1982).
- [Vog 81] Vogler H. : *Berechnungsmodelle syntaxgesteuerter Übersetzungen*. Diplomarbeit, RWTH Aachen. (April 1981).
- [Vuu 80] Vuurboom R. : *Restricting Semantic Behaviour of Attribute Grammars*. Internal Report, Onderafdeling der Informatica, Technische Hogeschool Twente. (1980).
- [War 75] Warren S.K. : *The Efficient Evaluation of Attribute Grammars*. Ma. thesis, Rice University, Houston, TX. (April 1975).
- [War 76] Warren S.K. : *The Coroutine Model of Attribute Grammar Evaluation*. PhD thesis, Rice University, Houston, TX. (April 1976).
- [Wat 74] Watt D.A. : *LR Parsing of Affix Grammars*. Report 7, Computing Science Dept., University of Glasgow. (August 1974).
- [Wat 77] Watt D.A. : *The Parsing Problem for Affix Grammars*. Acta Informatica 8, 1. Pp 1-20 (1977).
- [Wat 79] Watt D.A. : *An Extended Attribute Grammar for Pascal*. SIGPLAN Notices 14, 2. Pp 60-74 (February 1979).
- [Wat 80] Watt D.A. : *Rule Splitting and Attribute-directed Parsing*. Semantics-Directed Compiler Generation (N.D. Jones ed.), LNCS 94, Springer-Verlag. Pp 363-392 (1980).
- [Wat 82] Watt D.A. : *Modular Language Definitions*. Report CSC/82/R3, Computer Science Dept., University of Glasgow. (1982).
- [Wat 84] Watt D.A. : *Contextual Constraints*. Methods and Tools for Compiler Construction (B. Lorho ed.), INRIA-CEC Course, Cambridge University Press. Pp 45-80 (1984).

- [Web 76] Weber J. : *Programmtransformationen mit Attribuierten Transformationsgrammatiken*. Bericht 7604, Institut für Informatik, Technische Universität München. (1976).
- [Wil 71] Wilner W.T. : *Declarative Semantic Definition as Illustrated by a Definition of Simula 67*. PhD thesis, Report STAN-CS-233-71, Computer Science Dept., Stanford University, CA. (June 1971).
- [Wil 72] Wilner W.T. : *Formal Semantic Definition using Synthesized and Inherited Attributes*. Formal Semantics of Programming Languages (R. Rustin ed.), Prentice-Hall, Englewood Cliffs, NJ. Pp 25-39 (1972).
- [Wil 73] Wilhelm R. : *Syntax- und Semantikspezifikation in der Eingabesprache für einen Compiler-Compiler*. Bericht 7301, Abteilung Mathematik, Technische Universität München. (1973).
- [Wil 74a] Wilhelm R. : *Codeoptimierung mit Attribuierten Transformationsgrammatiken*. Bericht 7408, Abteilung Mathematik, Technische Universität München. (1974).
- [Wil 74b] Wilhelm R. : *Code-Optimierung mittels Attributierter Transformationsgrammatiken*. GI 4.-Jahrestagung, Berlin (D. Siefkes ed.), LNCS 26, Springer-Verlag. Pp 257-266 (October 1974).
- [Wil 75] Wilhelm R. : *Describing Code Optimization Algorithms by Attributed Transformational Grammars*. Structure et Programmation des Calculateurs 1975 (M. Kronental, B. Lorho ed.), Séminaires IRIA, Rocquencourt. Pp 153-164 (1975).
- [Wil 77] Wilhelm R. : *Baumtransformatoren. Ein Vergleich mit Baumtransduktoren und Aspekte der Implementierung*. Bericht TUM-INFO-7713, Institut für Informatik, Technische Universität München. (June 1977).
- [Wil 78] Wilhelm R. : *Presentation of the Compiler Generating System MUG2. Examples: Global Flow Analysis and Optimization*. Le Point sur la Compilation, Cours CCE, Montpellier (M. Amirchahy, D. Néel eds.), IRIA, Rocquencourt. Pp 307-335 (January 1978).
- [Wil 79a] Wilhelm R. : *Computation and Use of Data Flow Information in Optimizing Compilers*. Acta Informatica 12, 3. Pp 209-225 (1979).
- [Wil 79b] Wilhelm R. : *Attribuierte Grammatiken*. Informatik-Spektrum 2, 3. Pp 123-130 (July 1979).
- [Wil 80] Willman N. : *Describing Code Optimization Algorithms by Means of Attribute Grammars*. (in Finnish) M.Sc. thesis, Report C-1980-73, Dept. of Computer Science, University of Helsinki. (1980).
- [Wil 81a] Williams M.H. : *Methods for Specifying Static Semantics*. Computer Languages 6, 1. Pp 1-17 (1981).
- [Wil 82] Wilhelm R. : *LL- and LR-attributed Grammars*. GI 7. Fachtagung Programmiersprachen und Programmentwicklung (H. Wössner ed.), IFB 53, Springer-Verlag. Pp 151-164 (March 1982).
- [WM 77] Watt D.A., Madsen O.L. : *Extended Attribute Grammars*. Report 10, Computing Dept., University of Glasgow. (July 1977).
- [WM 79] Watt D.A., Madsen O.L. : *Extended Attribute Grammars*. Report DAIMI PB-105, Computer Science Dept., Aarhus University. (November 1979).

- [WM 83] Watt D.A., Madsen O.L. : *Extended Attribute Grammars*. The Computer Journal 26. Pp 142-153 (1983).
- [WN 82] Wulf W.A., Nori K.V. : *Delayed Binding in PQCC Generated Compilers*. Report CMU-CS-82-138, Dept. of Computer Science, Carnegie-Mellon University, Pittsburgh, PA. (October 1982).
- [Woo 80] Wood D. : *Grammar and L-forms: an Introduction*. LNCS 91, Springer-Verlag. (1980).
- [WRC 76] Wilhelm R., Ripken K., Ciesinger H., Lahner W., Nollmann R.D. : *Design Evaluation of the Compiler Generating System MUG1*. 2nd Int. Conf. on Software Engineering, San Francisco, CA. Pp 571-576 (October 1976).
- [Yeh 83] Yeh D. : *On Incremental Evaluation of Ordered Attributed Grammars*. BIT 23. Pp 308-320 (1983).
- [Yli 75] Yli-Olli P. : *On Compiler Writing Systems: Applications and Software Problems*. (in Finnish) Report C-1975-32, Dept. of Computer Science, University of Helsinki. (1975).

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 Code par Attributs Sémantiques"

[NA 74] Néel D., Amirchahy M.
 "Semantic Attributes and Improvement of Generated Code"

[MA 74] Néel D., Amirchahy M., Mazaud M.
 "Optimization of Generated Code by means of Attributes:
 Local Elimination of Common Redundant Sub-expressions"

[Rip 77] Ripken K.
 "Formale Beschreibung von Maschinen, Implementierungen
 und Optimierender Maschinencodeerzeugung aus
 Attributierten Programmgraphen"

[Wil 74a] Wilhelm R.
"Codeoptimierung mit Attributierten Transformationsgrammatiken"

[Wil 74b] Wilhelm R.
"Code-Optimierung mittels Attributierter Transformationsgrammatiken"

[Wil 75] Wilhelm R.
"Describing Code Optimization Algorithms by Attributed Transformational Grammars"

[Wil 80] Willman N.
"Describing Code Optimization Algorithms by Means of Attribute Grammars"

Graph

[DG 76] Della Vigna P., Ghezzi C.
"Data Structures and Graph Grammars"

[Got 82] Gottler H.
"Attributed Graph Grammars for Graphics"

[Hof 82] Hoffmann B.
"Modelling Compiler Generation by Graph Grammars"

Meta-Compilation

[RR 79] Blattner M., Ramanathan J.
"Attributed Metaforms for Top-down Design and Analysis of Programs"

[RR 81] Roullier P., Ripken K.
"Building an ADA Compiler following Meta-Compilation Methods"

[GW 78b] Giegerich R., Wilhelm R.
"Counter-one-pass Features in One-pass Compilation: a Formalization using Attribute Grammars"

[Hou 84] Houssais R.
"Analyse d'Erreurs dans les Compilateurs d'Algol 68"

[Kos 82] Koskimies K.
"An Experience on Language Implementation using Attribute Grammars"

[KRS 82] Koskimies K., Riihijärvi K.-J., Sarjakoski M.
"Compiler Construction using Attribute Grammars"

[Mar 75] Marquie-Pucheu M.
"Application de la Méthode des Attributs à la Définition des Compilateurs"

- [Par 751] Parchmann R.
"Syntaxgesteuerte Codierung zur Berechnung
Arithmetischer Ausdrücke auf einer Parallelmaschine
unter Verwendung Knuth'scher Attribute"
- [PBi 76b] Rühig K.-J.
"On Compiler Writing Systems"
- [Pib 80] Ricken K.
"Application of Meta-Compilation Methods in the Ada
Test Translator Development"
- [SKU 80] Schektman Y., Klein B., Jockin J., More R., Pastor J.,
Vielle D.
"Utilisation des Méta-traducteurs dans la Conception
des Logiciels Statistiques. Présentation d'Exemples
dans Trois Domaines d'Application"
- [Son 83] Sonnenschein M.
"Generierung Effizienter Compiler Teile durch
Attributierten Grammatiken Verwandte Konzepte"
- [Tai 78] Tai K.C.
"Constant Folding within an Expression by Semantic
Attributes"
- [Wat 84] Watt D.A.
"Contextual Constraints"

Programming

- [RPS 73a] Rouckaert M., Pirotte A., Snelling M.
"SOFT: a Tool for Writing Software"
- [RPS 73b] Rouckaert M., Pirotte A., Snelling M.
"Utilisation des Attributs dans un Système d'Écriture
de Software"
- [R 81a] Campbell R.H., Richards P.G.
"SAGA: a System to Automate the Management of Software
Production"
- [R 81b] Campbell R.H., Richards P.G.
"SAGA: a System to Automate the Management of Software
Production"
- [DH 81] Duncan A.G., Hutchison J.S.
"Using Attribute Grammars to test Designs and
Implementations"
- [HS 83] Hehner E.C.R., Silverberg B.A.
"Programming with Grammars: an Exercise in
Methodology-directed Language Design"
- [Jaz 76] Jazayeri M.
"Formal Specification and Automatic Programming"

- [KMM 83] Kristensen B.B., Madsen O.L., Møller-Pedersen B.,
Nygaard K.
"Syntax-directed Program Modularization"
- [LYH 83] Lu P.M., Yau S.S., Hong W.
"A Formal Methodology using Attributed Grammars for
Multiprocessing-System Software Development (I.Design
Representation II.Validation)"
- [Pet 71] Petrick S.R.
"On the Use of syntax-based Translators for Symbolic
and Algebraic Manipulation"
- [Sil 78] Silverberg B.A.
"Using a Grammatical Formalism as a Programming
Language"
- [Yli 75] Yli-Olli P.
"On Compiler Writing Systems: Applications and
Software Problems"

Transformations

- [Alb 84] Alblas H.
"Transformations of Attributed Program Trees"
- [Ger 75] Gerhart S.L.
"Correctness-preserving Program Transformations"
- [GM 81] Giegerich R., Möncke U.
"Invariance of Approximative Semantics with Respect to
Program Transformations"
- [GMW 80] Glasner I., Möncke U., Wilhelm R.
"OPTRAN, a Language for the Specification of Program
Transformations"
- [MW 84] Möncke U., Weisgerber R., Wilhelm R.
"How to Implement a System for Manipulation of
Attributed Trees"
- [Tus 74] Tusera D.
"Exemple of Transformation of a Derivation Tree for an
Expression by Semantic Attributes"
- [Web 76] Weber J.
"Programmtransformationen mit Attribuierten
Transformationsgrammatiken"
- [Wil 77] Wilhelm R.
"Baumtransformatoren. Ein Vergleich mit
Baumtransduktoren und Aspekte der Implementierung"

CIRCULARITY

- [BR 70] Bruno J., Burkhard W.A.
"A Circularity Test for Interpreted Grammars"
- [Che 81] Chebotar K.S.
"Some Modifications of Knuth's Algorithm for Verifying
Cyclicity of Attribute Grammars"
- [DJL 83] Deransart P., Jourdan M., Lorho B.
"Speeding up Circularity Tests for Attribute Grammars"
- [DJL 84] Deransart P., Jourdan M., Lorho B.
"Speeding up Circularity Tests for Attribute Grammars"
- [Jaz 81] Jazayeri M.
"A Simpler Construction for Showing the Intrinsically
Exponential Complexity of the Circularity Problem for
Attribute Grammars"
- [Jon 80b] Jones N.D.
"Circularity Testing of Attribute Grammars Requires
Exponential Time: a Simpler Proof"
- [JOR 75a] Jazayeri M., Ogden W.F., Rounds W.C.
"On the Complexity of Circularity Tests for Attribute
Grammars"
- [JOR 75b] Jazayeri M., Ogden W.F., Rounds W.C.
"The Intrinsically Exponential Complexity of the
Circularity Problem for Attribute Grammars"
- [Kar 77] Karttunen M.
"On Circularity Tests for Semantic Attributes"
- [Knu 68] Knuth D.E.
"Semantics of Context-free Languages"
- [Knu 71a] Knuth D.E.
"Semantics of Context-free Languages: Correction"
- [LP 75] Lorho B., Pair C.
"Algorithms for Checking Consistency of Attribute
Grammars"
- [RS 82a] Riihi K.-J., Saarinen M.
"Testing Attribute Grammars for Circularity"

CLASSIFICATION, EVALUATION

- [ARM 84] Adorni G., Roccalatte A., Di Manzo M.
"Top-down Semantic Analysis"

- [Aib 79] Alblas H.
"The Limitations of Attribute-Evaluation in Passes"
- [Aib 80] Alblas H.
"A Characterization of Attribute Evaluation in Passes"
- [Aib 81] Alblas H.
"A Characterization of Attribute Evaluation in Passes"
- [Aib 83] Alblas H.
"An Algorithm to Find Minimal Sequences of Pass Directions for Attribute Grammars"
- [Bar 82] Barbar K.
"Etude Comparative de Différentes Classes de Grammaires d'Attributs Ordonnées"
- [Bar 84] Barbar K.
"Classification des Grammaires d'Attributs Ordonnées"
- [BDS 82] Boccialatte A., DiManzo M., Sciarra D.
"Error Recovery with Attribute Grammars"
- [BKS 79b] Biryukov A.N., Kurochkin V.M., Serebryakov V.A.
"Global Attributes and their Use in Describing Programming Languages"
- [BKS 80] Biryukov A.N., Kurochkin V.M., Serebryakov V.A.
"Global Attributes and their Use for the Definition of a Programming Language"
- [BM 80] Boccialatte A., Di Manzo M.
"An Approach to the Detection of Semantic Errors"
- [Boc 74] Bochmann G.V.
"Attribute Grammars and Compilation: Program Evaluation in Several Phases"
- [Boc 75a] Bochmann G.V.
"Semantic Attributes for Grammars with Regular Expressions"
- [Boc 76] Bochmann G.V.
"Semantic Evaluation from Left to Right"
- [CH 79] Cohen R., Harry E.
"Automatic Generation of Near-Optimal Linear-Time Translators for Non-Circular Attribute Grammars"
- [Che 79] Chebotar K.S.
"Order of Calculation of Semantic Attributes"
- [DPT 81] Demers A., Peos T., Teitelbaum T.
"Incremental Evaluation for Attribute Grammars with Application to Syntax-directed Editors"
- [EEF 80a] Engelfriet J., Filè G.
"Formal Properties of One-Visit and Multi-Pass Attribute Grammars"

- [EFF 80b] Engelfriet J., Filè G.
"Simple Multi-Visit Attribute Grammars"
- [EFF 80c] Engelfriet J., Filè G.
"Passes and Paths of Attribute Grammars"
- [EFF 81b] Engelfriet J., Filè G.
"Passes and Paths of Attribute Grammars"
- [EFF 81c] Engelfriet J., Filè G.
"Passes, Sweeps and Visits"
- [EFF 82a] Engelfriet J., Filè G.
"Simple Multi-Visit Attribute Grammars"
- [EFF 82b] Engelfriet J., Filè G.
"Passes, Sweeps, and Visits in Attribute Grammars"
- [Eng 82b] Engelfriet J.
"Automata for Attribute Grammars"
- [Far 83b] Farrow R.
"Covers of Attribute Grammars and Sub-Protocol
Attribute Evaluators"
- [Far 84] Farrow R.
"Sub-Protocol-Evaluators for Attribute Grammars"
- [Fil 81] Filè G.
"Interpretation and Reduction of Attribute Grammars"
- [Gal 83] Gallier J.H.
"An Efficient Evaluator for Attribute Grammars with
Conditionnal Rules"
- [GG 84] Ganzinger H., Giederich R.
"Attribute Coupled Grammars"
- [Har 81b] Hartwig M.
"Attribute Evaluation in two Passes"
- [Jal 82] Jalili F.
"Design of Incremental Compilers"
- [Jal 83] Jalili F.
"A General Linear-Time Evaluator for Attribute
Grammars"
- [JD 84] Jullig R.K., DePemer F.
"Regular Right-part Attribute Grammars"
- [JG 83] Jalili F., Gallier J.H.
"A General Incremental Evaluator for Attribute
Grammars"
- [JM 80] Jones N.D., Madsen C.M.
"Attribute-influenced LR parsing"

- [Joc 82] Jochum G.
"Effiziente Attributauswertung durch Kombination
Verschiedener Strategien"
- [JW 75] Jazayeri M., Walter K.G.
"Alternating Semantic Evaluator"
- [Kas 76a] Kastens U.
"Systematische Analyse Semantischer Abhängigkeiten"
- [Kas 78b] Kastens U.
"Ordered Attribute Grammars"
- [Kas 80] Kastens U.
"Ordered Attribute Grammars"
- [Kat 80] Katayama T.
"Translation of Attribute Grammars into Procedures"
- [Kat 84] Katayama T.
"Translation of Attribute Grammars into Procedures"
- [Kay 84] Kaviani C.
"Comparaison de deux Méthodes d'Evaluation d'Attributs
sémantiques: GAG et FNC"
- [KMP 75] Kelleher J., McGriff F., Pozefsky D.
"TAG: Testing Attribute Grammars, Architectural
Description"
- [Kos 83] Koskimies K.
"Extensions of One-pass Attribute Grammars"
- [KP 79] Kennedy K., Ramanathan J.
"A Deterministic Attribute Grammar Evaluator based on
Dynamic Sequencing"
- [KP 81] Koskimies K., Riihijärvi K.-J.
"On the Use of Attribute Grammars for Describing
One-Pass Translation"
- [KW 76] Kennedy K., Warren S.K.
"Automatic Generation of Efficient Evaluators for
Attribute Grammars"
- [Mar 81] Maristé M.P.
"Combining the Evaluation of Attributes with Parsing"
- [Mad 80a] Madsen O.L.
"On Defining Semantics by means of Extended attribute
grammars"
- [Mad 80b] Madsen O.L.
"On Defining Semantics by means of Extended Attribute
Grammars"

- [Mak 83] Makarov V.P.
"Attributed Quasitranslation Grammars and their
Implementation in the SAGET Translator Generation
System"
- [May 81] Mayoh B.H.
"Attribute Grammars and Mathematical Semantics"
- [Mer 77] Merkle R.C.
"Evaluators for Attribute Grammars"
- [MF 79] Milton D.R., Fischer C.N.
"LL(k) Parsing for Attributed Grammars"
- [Mil 77] Milton D.R.
"Syntactic Specification and Analysis with Attributed
Grammars"
- [MW 82] Möncke U., Wilhelm P.
"Iterative Algorithms on Grammar Graphs"
- [Par 78] Parchmann R.
"Grammatiken mit Attributeschema und Zweistufige
Auswertung Attributierter Grammatiken"
- [PJ 78a] Pozefski D., Jazayeri M.
"A Family of Pass-oriented Attribute Grammar
Evaluators"
- [PJ 78b] Pozefski D., Jazayeri M.
"A Family of Pass-oriented Attribute Grammar
Evaluators"
- [Poz 79] Pozefsky D.
"Building Efficient Pass-oriented Attribute Grammar
Evaluators"
- [QF 82] Quing-Yun S., Fu K.S.
"Efficient Error-correcting Parsing for (Attributed and
Stochastic) Tree Grammars"
- [Rep 82a] Reps T.
"Optimal-time Incremental Semantic Analysis for
Syntax-directed Editors"
- [Rep 82b] Reps T.
"Generating Language-based Environments"
- [Rep 84] Reps T.
"Generating Language-based Environments"
- [Rii 80] Riis H.
"Subclasses of Attribute Grammars"
- [Rii 81a] Riis (Nielson) H.
"Computation Sequences: A Way to Characterize
Subclasses of Attribute Grammars"

- [Rii 81b] Riis (Nielson) H.
"Using Computation Sequences to Define Evaluators for Attribute Grammars"
- [Rii 83] Riis (Nielson) H.
"Computation Sequences: A Way to Characterize Subclasses of Attribute Grammars"
- [Row 77] Rowland B.R.
"Combining Parsing and Evaluation for Attribute Grammars"
- [RS 77] Riihijärvi K.-J., Saarinen M.
"An Optimization of the Alternating Semantic Evaluator"
- [RS 80] Riis H., Skyum S.
"K-visit Attribute Grammars"
- [RS 81] Riis H., Skyum S.
"K-visit Attribute Grammars"
- [RTD 83] Reps T., Teitelbaum T., Demers A.
"Incremental Context-dependent Analysis for Language-based Editors"
- [RU 79b] Riihijärvi K.-J., Ukkonen E.
"Minimizing the Number of Evaluation Passes for Attribute Grammars"
- [RU 80a] Riihijärvi K.-J., Ukkonen E.
"On the Optimal Assignment of Attribute to Passes in Multi-pass Attribute Evaluators"
- [RU 80b] Riihijärvi K.-J., Ukkonen E.
"Balancing Syntactic and Semantic Power in Compiler Specification"
- [RU 81] Riihijärvi K.-J., Ukkonen E.
"Minimizing the Number of Evaluation Passes for Attribute Grammars"
- [Sch 81] Schramm J.M.
"Un Formalisme pour la Description des Langues et des Traducteurs"
- [Ske 78] Skedzeleski S.K.
"Definition and Use of Attribute Reevaluation in Attributed Grammars"
- [Son 79] Sonnenschein M.
"Implementierung und Theoretische Untersuchungen von Attribut-Auswertungsalgorithmen und Insbesondere von Treewalk-Evaluatoren im Rahmen eines Compiler-erzeugenden Systems"
- [Tar 82a] Tarhio J.
"LR parsing of some Ambiguous Grammars"

- [Tar 82b] Tarhio J.
"Attribute Evaluation during LR parsing"
- [VM 82] Vooqlaid A.O., Märiste M.R.
"Abstract Attribute Grammars"
- [Vuu 80] Vuurboom R.
"Restricting Semantic Behaviour of Attribute Grammars"
- [War 75] Warren S.K.
"The Efficient Evaluation of Attribute Grammars"
- [War 76] Warren S.K.
"The Coroutine Model of Attribute Grammar Evaluation"
- [Wat 80] Watt D.A.
"Rule Splitting and Attribute-directed Parsing"
- [Wil 82] Wilhelm R.
"LL- and LR-attributed Grammars"
- [WM 77] Watt D.A., Madsen O.L.
"Extended Attribute Grammars"
- [WM 79] Watt D.A., Madsen O.L.
"Extended Attribute Grammars"
- [WM 83] Watt D.A., Madsen O.L.
"Extended Attribute Grammars"
- [Yeh 83] Yeh D.
"On Incremental Evaluation of Ordered Attributed Grammars"

MISCELLANEOUS

General Topics

- [Aho 68] Aho A.V.
"Indexed Grammars, an Extension of Context-Free Grammars"
- [BCL 76] Branquart P., Cardinael J.P., Lewi J., Delescaille J.P., Van Regin M.
"An Optimized Translation Process and its Application to ALGOL 68"
- [BCL 77] Branquart P., Cardinael J.P., Lewi J., Delescaille J.P., Van Regin M.
"A Simple Translation Automaton Allowing the Generation of Optimized Code"

- [Bj8 77a] Bj8rner D.
"Programming Languages: Formal Development of
Interpreters and Compilers"
- [Bj8 77b] Bj8rner D.
"Programming Languages: Formal Development of
Programming Languages and Compilers"
- [Dio 78] Dion R.A.
"Locally Least-Cost Error Correctors for Context-free
and Context-sensitive Parsers"
- [Fis 68a] Fischer M.J.
"Grammars with Macro-like Productions"
- [Fis 68b] Fischer M.J.
"Grammars with Macro-like Productions"
- [Iro 61] Irons E.T.
"A Syntax-directed Compiler for ALGOL 60"
- [Kur 75] Kurki-Suonio R.
"Towards Better Structured Definitions of Programming
Languages"
- [LCH 70] Leverett B.W., Cattell R.G.G., Hobbs S.O., Newcomer
J.M., Reiner A.H., Schatz B.R., Wulf W.A.
"An Overview of the Production-Quality
Compiler-Compiler Project"
- [LCH 80] Leverett B.W., Cattell R.G.G., Hobbs S.O., Newcomer
J.M., Reiner A.H., Schatz B.P., Wulf W.A.
"An Overview of the Production-Quality
Compiler-Compiler Project"
- [Lee 72] Lee C.J.C.
"Translation of Context-free Programming Languages
using Semantic Trees"
- [MKS 76] Madsen O.L., Kristensen B.B., Staunstrup J.
"Use of Design Criteria for Intermediate Languages"
- [Noo 75] Noonan R.E.
"Structured Programming and Formal Specification"
- [Par 74] Paredaens J.
"A Relation Between Parsers and the Semantic Aspects of
a Language"
- [Pen 77] Penner V.
"Formalisierung der Semantik von Programmiersprachen
und Anwendungen"
- [Pen 79b] Penner V.
"Ein LDL-compiler"
- [Pen 79c] Penner V.
"Die Eingabesprache LDL für ein Compiler-erzeugendes
System und ein Umfassendes Beispiel"

- [Tho 76] Thomas J.W.
"Module Interconnection in Programming Systems
supporting Abstraction"
- [Tho 82] Thomason M.G.
"Syntactic/Semantic Techniques in Pattern Recognition:
A Survey"
- [WN 82] Wulf W.A., Nori K.V.
"Delayed Binding in RISC Generated Compilers"

Affix Grammars

- [RBD 81] Rayer M., Rühringer B., Dehottay J.P., Feuerhahn H.,
Jasper J., Koster C.H.A., Schmiedecke U.
"Software Development in the CDL2 Laboratory"
- [DFK 76] Dehottay J.P., Feuerhahn H., Koster C.H.A., Stahl J.V.
"Syntaktische Beschreibung von CDL2"
- [FH 79] Franzen H., Hoffmann B.
"Automatic Determination of Data Flow in Extended Affix
Grammars"
- [FHS 78] Franzen H., Hoffmann B., Schmiedecke I.
"Using Two-level Language Descriptions for Compiler
Generation"
- [Hes 76] Hesse W.
"Vollständige Formale Beschreibung von
Programmiersprachen mit Zweischichtigen Grammatiken"
- [HS 81] Hoffmann B., Schmiedecke I.
"A Parsing-oriented Derivation Model for Two-level
Grammars based on Affix-decorated Parse Trees"
- [Küh 78] Kühling P.
"Affixgrammatiken zur Beschreibung von
Programmiersprachen"
- [Kos 71a] Koster C.H.A.
"A Compiler Compiler"
- [Kos 71b] Koster C.H.A.
"Affix Grammars"
- [Kos 74] Koster C.H.A.
"Using the CDL Compiler-Compiler"
- [Kos 77] Koster C.H.A.
"CDL A Compiler Implementation Language"
- [Wat 74] Watt D.A.
"LR Parsing of Affix Grammars"

- [Wat 77] Watt D.A.
"The Parsing Problem for Affix-Grammars"

Algebraic Theory

- [Gan 81] Ganzinger H.
"Parametrized Specifications: Parameter Passing and Optimizing Implementation"
- [Gan 83a] Ganzinger H.
"Denotational Semantics for Languages with Modules"
- [Gan 83c] Ganzinger H.
"Modular Compiler Descriptions based on Abstract Semantic Data Types"
- [Gau 80] Gaudel M.-C.
"Specification of Compilers as Abstract Data Type Representation"
- [Gau 81] Gaudel M.-C.
"Compiler Generation from Formal Definition of Programming Languages: a Survey"

Denotational Semantics

- [BRD 83] Barbuti R., Bellia M., Degano P., Levi G., Dameri E., Simonelli C., Martelli A.
"Programming Environment Generation based on Denotational Semantics"
- [BRK 82] Rodwin J., Bradley L., Kanda K., Little D., Pleban U.
"Experience with an Experimental Compiler Generator based on Denotational Semantics"
- [CJ 83] Christiansen H., Jones N.D.
"Control Flow Treatment in a Simple Semantics-Directed Compiler Generator"
- [Gan 80b] Ganzinger H.
"Some Principles for the Development of Compiler from Denotational Language Definitions"
- [Gor 79] Gordon M.J.C.
"The Denotational Description of Programming Languages"
- [JS 81] Jones N.D., Schmidt D.A.
"Compiler Generation from Denotational Semantics"
- [JT 83] Jones N.D., Tofte M.
"Some Principles and Notations for the Construction of Compiler Generators"

- [Ple 84] Plehan U.F.
"Compiler Prototyping using Formal Semantics"
- [SS 71] Scott D., Strachey C.
"Toward a Mathematical Semantics for Computer Languages"

Languages

- [AU 69] Aho A.V., Ullman J.D.
"Syntax Directed Translations and the Pushdown Assembler"
- [AU 73] Aho A.V., Ullman J.D.
"The Theory of Parsing, Translation and Compiling (I and II)"
- [Dam 82] Damm W.
"The IO- and OI- hierarchies"
- [DG 82] Damm W., Goerdt A.
"An Automata-theoretic Characterization of the OI-Hierarchy"
- [Eng 75] Engelfriet J.
"Bottom-up and Top-down Tree Transformations - a Comparison"
- [Eng 80] Engelfriet J.
"Some Open Questions and Recent Results on Tree Transducers and Tree Languages"
- [ES 78] Engelfriet J., Schmidt F.V.
"IO and OI"
- [ES 79] Engelfriet J., Slutzki G.
"Bounded Nesting in Macro Grammars"
- [HI 79] Hopcroft J.E., Ullman J.D.
"Introduction to Automata Theory, Languages and Computation"
- [LRS 76] Lewis P.M., Rosenkrantz D.J., Stearns R.E.
"Compiler Design Theory"
- [MV 70] Martin J.F., Vere S.A.
"On Syntax-directed Transduction and Tree Transducers"
- [Rou 70] Rounds W.C.
"Mappings and Grammars on Trees"
- [RS 70] Rosenkrantz D.J., Stearns R.E.
"Properties of Deterministic Topdown Grammars"
- [Sal 80] Salomaa A.
"Grammatical Families"

- [Tha 73] Thatcher J.W.
"Tree Automata: an Informal Survey"
- [Vog 81] Vogler H.
"Berechnungsmodelle syntaxgesteuerter Übersetzungen"
- [Woo 80] Wood D.
"Grammar and L-forms: an Introduction"

NP-Completeness

- [GJ 79] Garey M.R., Johnson D.S.
"Computers and Intractability: a Guide to the Theory of NP-Completeness"
- [Mai 78] Maier D.
"The Complexity of some Problems on Subsequences and Supersequences"
- [RU 79a] Rytter K.-J., Ukkonen E.
"The Shortest Common Supersequence Problem over Binary Alphabet is NP-Complete"
- [Set 75] Sethi R.
"Complete Register Allocation Problems"

EXAMPLES

Ada

- [DUP 82] Drossopoulos S., Uhl J., Persch G., Goos G., Daussmann M., Winterstein G.
"An Attribute Grammar for ADA"
- [Juu 82] Juutinen L.
"An Attribute Grammar for a Subset of Ada"
- [UDP 82] Uhl J., Drossopoulos S., Persch G., Goos G., Daussmann M., Winterstein G., Kirchhässner W.
"An Attributed Grammar for the Semantic Analysis of ADA"

Algol

- [Gan 73] Ganzinger H.

"Drei Methoden zur Beschreibung der Semantik von Programmiersprachen und Formalisierung der Semantik eines Algol 68 Subset"

[Har 81a] Hartwig M.
"Implementation einer Attribut-Grammatik in SIMJLA"

[LDH 76] Lewi J., De Vlaminck K., Huens J.
"Project LILA, FIGDRAW and PICO-ALGOL, an experience with LILA in a Course on Compiler Construction"

[Sim 77] Simonet M.
"An Attribute Description of a Subset of Algol 68"

Euclid

[KJ 79] Koskimies K., Juutinen L.
"An Attribute Grammar for the Compile-Time Semantics of the Programming Language Euclid"

[Kos 81] Koskimies K.
"An Attribute Grammar for a Subset of the Programming Language Euclid"

Fortran

[Mau 72] Maurer W.D.
"A Semantic Extension of BNF"

Lisp

[Der 77b] Deransart P.
"Définition de Lisp à l'aide d'un Compilateur"

[Der 77c] Deransart P.
"Definition and Implementation of a Lisp System using Semantic Attributes"

[Krz 75] Krzemien R.
"L'Implantation de Système Lisp sur IRIS 80 en utilisant le Système DELTA"

Pascal

[Asp 80] Asp J.
"Description of the Syntax and Static Semantics of Pascal-HR using the Compiler Writing System HLP"

[BDJ 837] Roullier P., Deschamps P., Jourdan M.
"Spécification et Réalisation d'un Traducteur
Pascal-Ada"

[BDJ 847] Roullier P., Deschamps P., Jourdan M.
"Application d'Outils de Haut Niveau à la Réalisation
d'un Traducteur Automatique Pascal-Ada"

[Hit 827] Hiitola K.
"An Attribute Grammar for the Static Semantics of
Pascal"

[Wat 797] Watt D.A.
"An Extended Attribute Grammar for Pascal"

PL/1

[Dre 727] Dreisbach T.A.
"A Declarative Semantic Definition of PL360"

[Iko 797] Ikonen M.
"An Attribute Grammar for PL360"

Simula

[Nor 767] Nordström M.
"A Method for Defining Formal Semantics of Programming
Languages applied to SIMULA"

[Sii 797] Siitari H.
"An Attribute Grammar for the Programming Language
Simula"

[Wil 717] Wilner W.T.
"Declarative Semantic Definition as Illustrated by a
Definition of Simula 67"

PEARL

[DIN 807] Deutsche Industrie Normen
"Programmiersprache PEARL"

SEMANTICS

- [Ada 761] Adafonov V.N.
"On Attribute Grammars"
- [Bar 811] Bartha M.
"An Algebraic Definition of Attributed Translations"
- [Boc 73b] Bochmann G.V.
"Semantic Equivalence of Syntactically Related Attribute Grammars"
- [Boc 75b] Bochmann G.V.
"Semantic Equivalence of Covering Attribute Grammars"
- [CF 80a] Courcelle B., Franchi-Zannettacci P.
"Attribute Grammars and Recursive Program Schemes"
- [CF 80b] Courcelle B., Franchi-Zannettacci P.
"On the Equivalence Problem for Attribute Systems"
- [CF 80c] Courcelle B., Franchi-Zannettacci P.
"On the Expressive Power of Attribute Grammars"
- [CF 82] Courcelle B., Franchi-Zannettacci P.
"Attribute Grammars and Recursive Program Schemes (I and II)"
- [CM 761] Chirica L.M., Martin D.F.
"An Algebraic Formulation of Knuthian Semantics"
- [CM 781] Chirica L.M., Martin D.F.
"An Order-Algebraic Definition of Knuthian Semantics"
- [CM 791] Chirica L.M., Martin D.F.
"An Order-Algebraic Definition of Knuthian Semantics"
- [Cou 841] Courcelle B.
"Attribute Grammars: Definitions, Analysis of Dependencies, Proof Methods"
- [Cul 62] Culik K.
"Attributed Grammars and Languages"
- [DBH 781] Döbeling K.
"Festlegung Zweier Sprachklassen mit Hilfe Attributierter Grammatiken"
- [DPS 771] Duske J., Parchmann R., Sedella M., Specht J.
"IO-Macrolanguages and Attributed Translations"
- [FF 81a] Engelfriet J., Filé G.
"The Formal Power of One-Visit Attribute Grammars"
- [Eng 811] Engelfriet J.
"Tree Transducers and Syntax-directed Semantics"
- [Eng 82a] Engelfriet J.
"Tree Transducers and Syntax-directed Semantics"

- [Eng 82c] Engelfriet J.
"The Complexity of Languages Generated by Attribute Grammars"
- [Eng 84] Engelfriet J.
"Attribute Grammars: Attribute Evaluation Methods"
- [ERS 80] Engelfriet J., Rozenberg G., Slutzki G.
"Tree Transducers; L Systems and two-way Machines"
- [ES 82] Engelfriet J., Skyum S.
"The Copying Power of One-State Tree Transducers"
- [EV 84] Engelfriet J., Vogler H.
"Regular Characterizations of Macro Tree Transducers"
- [FUL 81] Fülöp Z.
"On Attributed Tree Transducers"
- [Fil 83a] Filé G.
"Machines for Attribute Grammars"
- [Fil 83b] Filé G.
"Interpretation and Reduction of Attribute Grammars"
- [Fil 83c] Filé G.
"Theory of Attribute Grammars"
- [Fra 82] Franchi-Zannettacci P.
"Attributs Sémantiques et Schémas de Programmes"
- [Gan 74] Ganzinger H.
"Modifizierte Attributierte Grammatiken"
- [Gan 78a] Ganzinger H.
"Strukturelle Zusammenhänge zwischen Funktionalen Sprachbeschreibungen und Übersetzerbeschreibungen"
- [Gan 78b] Ganzinger H.
"Optimierende Erzeugung von Übersetzerteilen aus Implementierungsorientierten Sprachbeschreibungen"
- [Gan 83b] Ganzinger H.
"Increasing Modularity and Language-Independency in Automatically Generated Compilers"
- [Gan 83d] Ganzinger H.
"Increasing Modularity and Language-Independency in Automatically Generated Compilers"
- [GW 77] Giegerich R., Wilhelm R.
"Implementierbarkeit Attributierter Grammatiken"
- [Jaz 74] Jazayeri M.
"On Attribute Grammars and the Semantic Specification of Programming Languages"
- [Kam 82] Kamimura T.
"Tree Automata and Attribute Grammars"

- [Kam 83] Kamimura T.
"Tree Automata and Attribute Grammars"
- [Knu 68] Knuth D.E.
"Semantics of Context-free Languages"
- [Knu 71b] Knuth D.E.
"Examples of Formal Semantics"
- [LRS 74] Lewis P.M., Rosenkrantz D.J., Stearns R.E.
"Attributed Translations"
- [May 78] Mayoh B.H.
"Attribute Grammars and Mathematical Semantics"
- [May 81] Mayoh B.H.
"Attribute Grammars and Mathematical Semantics"
- [PB 78] Pister A., Ruttelmann H.W.
"Semantic-syntax-directed Translation"
- [SP 82] Stepanov A.N., Popov Y.A.
"Realization of Syntax-directed Translation Scheme"
- [Wil 72] Wilner W.T.
"Formal Semantic Definition using Synthesized and Inherited Attributes"

SURVEY

- [Bla 73a] Blaizot L.
"Introduction à la Notion d'Attributs Sémantiques"
- [Cou 81a] Courcelle B.
"Attribute Grammars: Theory and Applications"
- [Cou 81b] Courcelle B.
"Attribute Grammars: Theory and Applications"
- [Cou 84] Courcelle B.
"Attribute Grammars: Definitions, Analysis of Dependencies, Proof Methods"
- [Eng 84] Engelfriet J.
"Attribute Grammars: Attribute Evaluation Methods"
- [GW 78a] Giederich R., Wilhelm R.
"Attribute Evaluation"
- [Jon 80a] Jones N.D. (ed.)
"Semantic-directed Compiler Generation"
- [Kas 78a] Kastens U.
"Einführung in Attributierte Grammatiken"

- [Lor 84] Lorho R. (ed.)
"Methods and Tools for Compiler Construction, INRIA-CEC Course"
- [Mar 80] Maristé M.R.
"Methods of Implementing Attribute Schemes in Compiler-Construction Systems (review)"
- [MN 82] Meijer H., Nijholt A.
"Translator Writing Tools since 1970: a Selective Bibliography"
- [Pen 79a] Penjam J.
"Methods of Automatic Implementation of Semantics in Translators"
- [Rhi 77] Rihh K.-J.
"On Attribute Grammars and their Use in a Compiler Writing System"
- [Rhi 80b] Rihh K.-J.
"Bibliography on Attribute Grammars"
- [RS 76] Rihh K.-J., Saarinen M.
"Developments in Compiler Writing Systems"
- [Tie 78] Tienari M.
"Research on Programming Languages and Compilers"
- [Wat 82] Watt D.A.
"Modular Language Definitions"
- [Wil 79b] Wilhelm R.
"Attributierte Grammatiken"

SYSTEMS

Boarse

- [MKR 79] Milton D.R., Kirchoff L.W., Rowland R.R.
"An ALL(1) Compiler Generator"

Casa

- [Pau 81] Paulson L.
"A Compiler Generator for Semantic Grammars"
- [Pau 82] Paulson L.
"A Semantics-directed Compiler Generator"

- [Pau 84] Paulson L.
"Compiler Generation from Denotational Semantics"

Cis

- [Bir 84] Bircsak J.A.
"Incorporating Conditional Semantic Rules in the CIS Compiler Generator"

- [McE 83] McEnerney J.M.
"A General Compiler Generator based on Attribute Grammars"

Cops

- [Bor 75] Borowiec J.
"Pragmatics in a Compiler-Construction System"

- [Bor 77] Borowiec J.
"Pragmatics in a Compiler Production System"

- [Bor 78] Borowiec J.
"Metalanguages of the Compiler Production System COPS"

- [KJ 74] Kruszewski S., Jarzabek S.
"COALA - the Object Code of the Compiler Producing System"

- [KKW 82] Kruszewski M., Kupiecki D., Winiewski J.
"A Resident-Compiler Production Method and its Implementation"

Cps

- [Rep 81] Reps T.
"The Synthesizer Editor Generator: Reference Manual"

- [RT 84a] Reps T., Teitelbaum T.
"The Synthesizer Generator"

- [RT 84b] Reps T., Teitelbaum T.
"The Synthesizer Generator Reference Manual"

- [Tei 79] Teitelbaum T.
"The Cornell Program Synthesizer: a Tutorial Introduction"

- [TR 80] Teitelbaum T., Reps T.
"The Cornell Program Synthesizer: a Syntax-directed Programming Environment"

- [TR 81] Teitelbaum T., Rens T.
 "The Cornell Program Synthesizer: a Syntax-directed Programming Environment"
- [TPH 81] Teitelbaum T., Rens T., Horowitz S.
 "The Why and Wherefore of the Cornell Program Synthesizer"

Cws

- [PL 73] Rochmann G.V., Lecarme O.
 "Un Système d'Ecriture de Compilateurs. Manuel d'Utilisation"
- [Proc 73a] Rochmann G.V.
 "Semantics Evaluated from Left to Right"
- [RW 75] Rochmann G.V., Ward P.
 "Compiler Writing System for Attribute Grammars"
- [RW 78] Rochmann G.V., Ward P.
 "Compiler Writing System for Attribute Grammars"
- [LB 74a] Lecarme O., Rochmann G.V.
 "A (truly) Usable and Portable Compiler Writing System"
- [LP 74b] Lecarme O., Rochmann G.V.
 "A Compiler Writing System User's Manual"
- [lec 75] Lecarme O.
 "Practicability and Portability in a Compiler-Construction System"
- [Lec 77] Lecarme O.
 "Usability and Portability of a Compiler Writing System"
- [Vak 83] Van Katwijk J.
 "A Preprocessor for YACC or a Poor Man's Approach to Parsing Attributed Grammars"

Delta

- [PR 73] Blaizot F., Boullier P.
 "Projet DELTA: Description d'un Langage Algorithmique à Structure de Blocs"
- [Pla 73b] Blaizot L.
 "DELTA: Système de Description de Langues et de Traducteurs par Attributs"

[Bou 73] Bouchenez J.L.
 "Système de Description de Langages et de Traducteurs
 par Attributs. Présentation du Système"

[Lor 74] Lorho B.
 "De la Définition à la Traduction des Langages de
 Programmation: Méthode des Attributs Sémantiques"

[Lor 77] Lorho B.
 "Semantic Attributes Processing in the System DELTA"

Enc, Err

[Abo 81] Abouzaid M.F.
 "Procédures d'Utilisation des Grammaires d'Attributs"

[Jou 82] Jourdan M.
 "Un Evaluator Efficace pour les Grammaires Attribuées
 Fortement Non-Circulaires"

[Jou 83] Jourdan M.
 "An Efficient Recursive Evaluator for Strongly
 Non-Circular Attribute Grammars"

[Jou 84a] Jourdan M.
 "Recursive Evaluators for Attribute Grammars: an
 Implementation"

[Jou 84b] Jourdan M.
 "An Optimal-time Recursive Evaluator for Attribute
 Grammars"

[Jou 84c] Jourdan M.
 "Les Grammaires Attribuées: Implémentation,
 Applications, Optimisations"

[Jou 84d] Jourdan M.
 "Strongly Non-Circular Attribute Grammars and Their
 Recursive Evaluation"

[Oha 82] Ohaïd A.
 "Evaluators Optimisés pour les Grammaires d'Attributs
 Fortement Non-circulaires"

Folds

[Fan 72] Fang I.
 "FOLDS, a Declarative Formal Language Definition
 System"

[Fan 73] Fang I.
 "FOLDS, a Declarative Formal Language Definition
 System"

Gag

- [Kas 76b] Kastens U.
"Ein Übersetzer-erzeugendes System auf der Basis
Attributierter Grammatiken"
- [Kas 79] Kastens U.
"ALADIN Fine Definitionssprache für Attributierte
Grammatiken"
- [Kas 84] Kastens U.
"The GAG-System - A Tool for Compiler Construction"
- [KHZ 82] Kastens U., Hutt B., Zimmermann E.
"GAG: A Practical Compiler Generator"
- [KZ 80] Kastens U., Zimmermann E.
"GAG A Generator based on Attribute Grammars"
- [KZ 81] Kastens U., Zimmermann E.
"GAG A Generator based on Attribute Grammars"

Hfp

- [Kat 81a] Katayama T.
"HFP: a Hierarchical and Functional Programming
Methodology based on Attribute Grammars"
- [Kat 81b] Katayama T.
"HFP: a Hierarchical and Functional Programming
Methodology based on Attribute Grammars"

Hlp

- [Kor 80] Kortessalo L.
"Description of the Lexical Metalanguage of HLP using
HLP"
- [Kos 84] Koskimies K.
"A Specification Language for One-pass Semantic
Analysis"
- [KP 83] Koskimies K., Paakki J.
"HLP84 Semantic Metalanguage and its Implementation"
- [NSS 82] Nurmi O., Sarjakoski M., Siipio S.
"The HLP'84 Project"
- [R8i 76a] R8ihy K.-J.
"Design of the Semantic Phase of the Compiler Writing
System HLP"

- [Rhi 80a] Riihi K.-J.
"Experiences with the Compiler Writing System HLP"
- [Rhi 84] Riihi K.-J.
"Attribute Grammar Design using the Compiler Writing System HLP"
- [RSS 78] Riihi K.-J., Saarinen M., Soisalon-Soininen E., Tienari M.
"The Compiler Writing System HLP (Helsinki Language Processor)"
- [RSS 83] Riihi K.-J., Saarinen M., Sarjakovski M., Sinu S., Soisalon-Soininen E., Tienari M.
"Revised Report on the Compiler Writing System HLP78"
- [Tie 70] Tienari M.
"A Note on the Definition of Attribute Grammar"
- [Tie 80] Tienari M.
"On the Definition of an Attribute Grammar"

Hlp/sz

- [GSM 83] Gyimothy T., Simon E., Makay A.
"An Implementation of the HLP"
- [Sim 84] Simon E.
"Language Extension in HLP/S7"

Lila

- [LDH 75] Lewi D., De Vlaminck K., Huens J., Mertens P.
"SLS/1: a Translator Writing System"
- [LDH 77] Lewi J., De Vlaminck K., Huens J., Huybrechts M.
"Project LILA User's Manual"
- [LDH 79] Lewi J., De Vlaminck K., Huens J., Huybrechts M.
"A programming Methodology in Compiler Construction (I and II)"

Linguist-86

- [Far 82a] Farrow R.
"Experience with an Attribute Grammar based Compiler"
- [Far 82b] Farrow R.
"LINGUIST-86 Yet Another Translator Writing System based on Attribute Grammars"

Lingua

- [HV 80] Heeg G., de Vries E.
"LINGUA - ein Compilergenerator"

Mug

- [BG 81] Bartmuss G., Giederich R.
"Compiler Development with MUG2 - an Introductory Example"
- [BT 84] Bartmuss G., Thürmel S.
"MUG-Einführung"
- [Gan 76] Ganzinger H.
"MUG1-Manual"
- [Gan 82] Ganzinger H.
"An Overview of the Attribute Definition Language ADFLE"
- [GGW 82] Ganzinger H., Giederich R., Möncke U., Wilhelm R.
"A Truly Generative Semantics-directed Compiler Generator"
- [Gie 79] Giederich R.
"Introduction to the Compiler Generating System MUG2"
- [GRW 76] Ganzinger H., Ripken K., Wilhelm R.
"MUG1 - an Incremental Compiler-Compiler"
- [GRW 77] Ganzinger H., Ripken K., Wilhelm R.
"Automatic Generation of Optimizing Multipass Compilers"
- [GW 75] Ganzinger H., Wilhelm R.
"Verschränkung von Compiler-Modulen"
- [Rip 75] Ripken K.
"Generating an Intermediate-Code Generator in a Compiler Writing System"
- [Wil 73] Wilhelm R.
"Syntax- und Semantikspezifikation in der Eingabesprache für einen Compiler-Compiler"
- [Wil 78] Wilhelm R.
"Presentation of the Compiler Generating System MUG2. Examples: Global Flow Analysis and Optimization"
- [WRC 76] Wilhelm R., Ripken K., Giesinger H., Lahner W., Nollmann R.D.
"Design Evaluation of the Compiler Generating System MUG1"

Neats

- [JMR 78] Jespersen P., Madsen M., Riis H.
"New Extended Attributed System (NEATS)"
- [Mad 75] Madsen O.L.
"On the Use of Attribute Grammars in a Practical
Translator Writing System"
- [Mad 80c] Madsen O.L.
"Parsing Attribute Grammars"
- [Mad 80d] Madsen O.L.
"Towards a Practical and General Translator Writing
System"

Parsley

- [Bar 83] Barber M.F.
"PARSLEY: a new Compiler-Compiler"

Penjam

- [Pen 80a] Penjam J.
"Realization of Attributive Semantics"
- [Pen 80b] Penjam J.
"A Method of Automatic Implementation of Compilers"
- [Pen 83a] Penjam J.
"Synthesis of Semantic Processors from Attribute
Grammars"
- [Pen 83b] Penjam J.
"Synthesis of a Semantic Processor from an Attribute
Grammar"
- [Tyu 77] Tyugu E.H.
"A Programming System with Automatic Program Synthesis"
- [Tyu 80] Tyugu E.H.
"Towards Practical Synthesis of Programs"
- [VMM 82] Volozh P.B., Matskin M.R., Mints G.E., Tyugu E.H.
"The PRIZ System and Propositional Calculus"

Perlurette

- [Des 82] Deschamps P.
 "Perluette: a Compilers Producing System using
 Abstract Data Types"

Saget

- [Mak 82] Makarov V.P.
 "Syntax-directed Translation in the SAGET Translator
 Generating System"
- [MP 80] Makarov V.P., Peshkov V.G.
 "The Translator Generating System SAGET"

Sethi

- [RS 82b] Raoult J., Sethi R.
 "Properties of a Notation for Combining Functions"
- [Set 81] Sethi R.
 "Control Flow Aspects of Semantics-directed Compiling"
- [Set 82] Sethi R.
 "Control Flow Aspects of Semantics-directed Compiling"
- [Set 83] Sethi R.
 "Control Flow Aspects of Semantics-directed Compiling"

Ssags

- [KPP 84] Keller S.E., Perkins J.A., Payton T.F., Mardinly S.P.
 "Tree Transformation Techniques and Experiences"
- [PKP 82a] Payton T., Keller S., Perkins J., Rowan S., Mardinly S.
 "SSAGS, a Syntax and Semantics Analysis and Generation
 System"
- [PKP 82b] Payton T., Keller S., Perkins J., Rowan S., Mardinly S.
 "Design Level Debugging of Attribute Grammars"

Papa

- [Pap 79] Papakonstantinou G.K.
 "A Poor Man's Realization of Attribute Grammars"
- [Pap 81] Papakonstantinou G.K.
 "An Interpreter of Attribute Grammars and its
 Application to Waveform Analysis"

Super

- [BKS 79a] Biryukov A.N., Kurochkin V.M., Serebryakov V.A.
"A Compiler-Construction System based on the Homogeneous and Universal Approach"
- [BKS 81] Biryukov A.N., Kurochkin V.M., Serebryakov V.A.
"Structural Attributes and their Implementation in the Translator Writing System SIIPR"

Tokyo

- [STS 79] Sassa M., Tokuda J., Shinogi T., Inoue K.
"Design and Implementation of a Multipass-Compiler Generator"
- [STS 80] Sassa M., Tokuda J., Shinogi T., Inoue K.
"Design and Implementation of a Multipass-Compiler Generator"

VARIATIONS

- [CD 84] Courcelle B., Deransart P.
"Proofs of Partial Correctness for Attribute Grammars and Recursive Procedures"
- [DM 78] Dembinski P., Maluszynski J.
"Attribute Grammars and Two-level Grammars: a Unifying Approach"
- [DM 84a] Deransart P., Maluszynski J.
"Relating Logic Programs and Attribute Grammars"
- [DM 84b] Deransart P., Maluszynski J.
"Modelling Data Dependencies in Logic Programs by Attribute Schemata"
- [Far 83a] Farrow R.
"Attribute Grammars and Data-Flow Analysis"
- [Gan 79a] Ganzinger H.
"An Approach to the Derivation of Compiler Description Concepts from the Mathematical Semantics Concept"
- [Gan 80a] Ganzinger H.
"Transforming Denotational Semantics into Practical Attribute Grammars"

- [Hof 83] Hoffmann B.
"Compiler Generation: from Language Definitions to
Abstract Compilers"
- [MLR 76] Marcotty M., Ledgard H.F., Rochmann G.V.
"A Sampler of Formal Definitions"
- [PS 77] Paillard J.P., Simonet M.
"Attribute-like W-Grammars. Implementation and Design
of Algorithmic Languages"
- [Wil 81a] Williams M.H.
"Methods for Specifying Static Semantics"

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