## Papers on Compiler Optimizations: Analysis and Transformations (1952-1994)

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Title	Venue Type	Venue Name	Туре	Year	Sources		
The problem of simplifying truth functions [9]	T&F	AMM	J	1952	О		
Minimization of Boolean functions [10]	Bell Labs	Bell System Tech. J.	J	1956	O		
An algorithm for translating Boolean expressions [11]	ACM	JACM	J	1962	S		
High speed compilation of efficient object code [12]	ACM	CACM	J	1965	D		
Peephole optimization [13]	ACM	CACM	J	1965	E		
Program optimization [14]	-	PP	С	1966	A, D, E, M, O, S		
Index Register Allocation [15]	ACM	JACM	J	1966	E		
Analysis of Programs for Parallel Processing [16]	IEEE	TC (TEC)	J	1966	O		
Object code optimization [17]	ACM	CACM	J	1969	A, D, E		
Expression optimization using unary complement operators [18]	ACM	PLDI (SCO)	С	1970	E		
Local optimizations [19]	ACM	PLDI (SCO)	C	1970	E		
Detection and parallel execution of independent instructions [20]	IEEE	TCO	J	1970	S		
Global common subexpression elimination [21]	ACM	PLDI (SCO)	C	1970	D, E, M		
The Generation of Optimal Code for Arithmetic Expressions [22]	ACM	JACM	J	1970	D, E, M		
Control flow analysis [23]	ACM	PLDI (SCO)	C	1970	D, E		
A Basis for Program Optimization [24]	IFIP	NH	С	1971	A, D, E, M, O, S		
A catalogue of optimizing transformations [25]	-	PH	С	1972	A, D, E, M, O, S		
Flow graph reducibility [26]	ACM	STOC	C	1972	D		
Use-definition chains with applications [27]	Elsevier	COLA (COMLAN)	С	1972	E		
A global flow analysis algorithm [28]	T&F	JCM	J	1972	E		
Safety of code motion [29]	T&F	JCM	J	1972	O		
On the Number of Operations Simultaneously Executable in Fortran-Like Programs and Their Resulting Speedup [30]	IEEE	TCO	J	1972	D, O		
Testing flow graph reducibility [31]	ACM	STOC	С	1973	A		
A unified approach to global program optimization [32]	ACM	POPL	С	1973	A, D, E, M, O, S		
Fast algorithms for the elimination of common subexpressions [33]	Springer	Acta Inf.	J	1973	A, D, E, O		
Interprocedural Analysis and the Information derived by it [34]	Springer	Prog. Meth.	J	1974	-		
Register allocation via usage counts [35]	ACM	CACM	J	1974	A		
Analysis of structured programs [36]	ACM	STOC	С	1974	D		
	Continued on next pa						

Title	Venue Type	Venue Name	Type	Year	Sources
Characterizations of Reducible Flow Graphs [37]	ACM	JACM	J	1974	D, E
The parallel execution of DO loops [38]	ACM	CACM	J	1974	D, O
Interprocedural Data Flow Analysis [39]	-	IFIP	J	1974	D, O
Application of lattice algebra to loop optimization [40]	ACM	POPL	C	1975	-
Program optimization - theory and practice [41]	ACM	PLDI (SCC)	C	1975	-
Time and parallel processor bounds for linear recurrence systems [42]	IEEE	TCO	J	1975	S
A simple algorithm for global data flow analysis problems [43]	SIAM	SICOMP	J	1975	A, E, O
Program improvement by source to source transformation [44]	ACM	POPL	С	1976	-
A program data flow analysis procedure [45]	ACM	CACM	J	1976	A
Recursion analysis for compiler optimization [46]	ACM	CACM	J	1976	O
Optimal Code Generation for Expression Trees [47]	ACM	JACM	J	1976	A, D, E
A Fast and Usually Linear Algorithm for Global Flow Analysis [48]	ACM	JACM	J	1976	E, O
Code generation for expressions with common subexpressions [49]	ACM	POPL	C	1976	E, S
Global data flow analysis and iterative algorithms [50]	ACM	JACM	J	1976	E, O
Compiler Analysis of the Value Ranges for Variables [51]	IEEE	TSE	J	1977	-
On Live-Dead Analysis for Global Data Flow Problems [52]	ACM	JACM	J	1977	A
Symbolic evaluation and the global value graph [53]	ACM	POPL	С	1977	A
High-level data flow analysis [54]	ACM	CACM	J	1977	A
Abstract interpretation [55]	ACM	POPL	С	1977	D
An algorithm for reduction of operator strength [56]	ACM	CACM	J	1977	E
A transformation system for developing recursive programs [57]	ACM	JACM	J	1977	S
Arithmetic shifting considered harmful [58]	ACM	SIGPLAN Notices	J	1977	S
Monotone data flow analysis frameworks [59]	Springer	Acta Inf.	J	1977	A, D, E, O
Program Improvement by Source-to-Source Transformation [60]	ACM	CACM	J	1977	D, O
An analysis of inline substitution for a structured programming					
language [61]	ACM	CACM	J	1977	M, S
Program Optimization Using Invariants [62]	IEEE	TSE	J	1978	-
A new method for compiler code generation [63]	ACM	POPL	Č	1978	D
A practical interprocedural data flow analysis algorithm [64]	ACM	CACM	J	1978	A, D, E, O
Data Flow Analysis for Procedural Languages [65]	ACM	JACM	J	1979	A
Constructing the Call Graph of a Program [66]	IEEE	TSE	J	1979	0
Data flow languages [67]	IEEE	MARK	W	1979	S
Time and parallel processor bounds for Fortran-like loops [68]	IEEE	TCO	J	1979	S
Unrolling loops in Fortran [69]	Wiley	SPE	J	1979	S
A fast algorithm for finding dominators in a flowgraph [70]	ACM	TOPLAS	J	1979	A, E, M, O
An efficient way to find the side effects of procedural calls and the aliases of variables [71]	ACM	POPL	C	1979	A, D, E, S
Global optimization by suppression of partial redundancies [72]	ACM	CAMC	J	1979	A, D, E, O, S
Predicting the effects of optimization on a procedure body [73]	ACM	PLDI (SCC)	С	1979	E, S
Structural analysis: A new approach to flow analysis in optimizing compilers [74]	Elsevier	COLA (COMLAN)	С	1980	A
The design and application of a retargetable peephole optimizer [75]	ACM	TOPLAS	J	1980	Е
Data flow supercomputers [76]	IEEE	Computer	J	1980	S
Program optimization and parallelization using idioms [77]	ACM	POPL	C	1980	-
High-speed multiprocessors and compilation techniques [78]	IEEE	TCO	J	1980	S
A composite algorithm for strength reduction and code movement optimization [79]	Springer	ACIS	J	1980	E
Interprocedural data flow analysis in the presence of pointers, procedure variables, and label variables [80]	ACM	POPL	С	1980	A, E, O
	ACM	JACM	J	1981	D
Deciding Linear Inequalities by Computing Loop Residues [81]		17.15.7171		1/01	$\nu$
Deciding Linear Inequalities by Computing Loop Residues [81] A precise inter-procedural data flow algorithm [82]	ACM	POPL	C	1981	O, S

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Register allocation via coloring [83]	Elsevier	COLA (COMLAN)	С	1981	A, D, E, O, S
Reduction of operator strength [84]	NJ	Program flow analysis	J	1981	A, E, S
Dependence graphs and compiler optimizations [85]	ACM	POPL	С	1981	O, S
On the performance enhancement of paging systems through	IEEE	TCO	J	1981	D, S
program analysis and transformations [86]	4014	TODI AC		1000	
Using Peephole Optimization on Intermediate Code [87]	ACM	TOPLAS	J	1982	- D
Optimizing delayed branches [88]	ACM	MICRO	W	1982	D
A composite hoisting-strength reduction transformation for global program optimization part i [89]	T&F	JCM	J	1982	E
Optimization of range checking [90]	ACM	PLDI (SCC)	С	1982	E
Register allocation and spilling via graph coloring [91]	ACM	PLDI	С	1982	A, D, E, M O, S
Experience with the SETL optimizer [92]	ACM	TOPLAS	J	1983	S
Postpass Code Optimization of Pipeline Constraints [93]	ACM	TOPLAS	J	1983	A, E
Conversion of control dependence to data dependence [94]	ACM	POPL	C	1983	O, S
Code selection through object code optimization [95]	ACM	TOPLAS	J	1984	-
Register allocation and exhaustive peephole optimization [96]	Wiley	SPE	J	1984	E
Automatic generation of peephole optimizations [97]	Springer	CC	Č	1984	Е
Analysis of interprocedural side effects in a parallel programming environment [98]	Springer	ICSP	С	1984	O
Polyvariant mixed computation for analyzer programs [99]	Springer	Acta Inf.	J	1984	O
Stream processing [100]	ACM	LFP	C	1984	0
A hierarchical basis for reordering transformations [101]	ACM	POPL	C	1984	O
Register allocation by priority-based coloring [102]	ACM	PLDI (SCC)	C	1984	A, E, O
Automatic loop interchange [103]	ACM	PLDI (SCC)	C	1984	O, S
Efficient computation of flow insensitive interprocedural summary information [104]	ACM	PLDI (SCC)	С	1984	A, O
Program transformations in a denotational setting [105]	ACM	TOPLAS	J	1985	_
On linearizing parallel code [106]	ACM	POPL	C	1985	O
Distributed execution of functional programs using serial	IEEE	TCO	J	1985	S
combinators [107]					
Strictness analysis-a practical approach [108]	Springer	FPCA	С	1985	S
A linear algorithm for finding dominators in flow graphs and related problems [109]	ACM	STOC	С	1985	E, M, O
Advanced compiler optimizations for supercomputers [110]	ACM	CACM	J	1986	-
Efficient compilation of linear recursive functions into object level loops [111]	ACM	PLDI (SCC)	С	1986	-
The impact of interprocedural analysis and optimization in the Rn programming environment [112]	ACM	TOPLAS (LOPES)	С	1986	-
Efficient instruction scheduling for a pipelined architecture [113]	ACM	PLDI (SCC)	С	1986	A
Efficient symbolic analysis of programs [114]	ACM	JCSS	J	1986	A
Graph-Based Algorithms for Boolean Function Manipulation [115]	IEEE	TC	J	1986	D
Loops skewing: The wavefront method revisited [116]	Springer	JPP	J	1986	0
Highly concurrent scalar processing [117]	ACM	CAN	J	1986	O
Multiplication by integer constants [118]	Wiley	SPE	J	1986	S
Global register allocation at link time [119]	ACM	PLDI	C	1986	A, E
Interprocedural constant propagation [120]	ACM	PLDI	С	1986	A, D, E, O S
Interprocedural optimization: eliminating unnecessary	ACM	СС	С	1986	A, E, O
recompilation [121] Interprocedural dependence analysis and parallelization [122]	ACM	PLDI	С	1986	O, S
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Title	Venue Type	Venue Name	Type	Year	Sources
Effectiveness of a machine-level, global optimizer [123],	ACM	PLDI (SCC)	С	1986	A, E
Direct parallelization of call statements [124]	ACM	PLDI (SCC)	С	1986	O, S
Code motion of control structures in high-level languages [125]	ACM	POPL	С	1986	E, M
Automatic inference and fast interpretation of peephole optimization rules [126]	Wiley	SPE	J	1987	E
Compiler Algorithms for Synchronization [127]	IEEE	TCO	J	1987	O
Automatic decomposition of scientific programs for parallel execution [128]	ACM	POPL	С	1987	O
Guided Self-Scheduling: A Practical Scheduling Scheme for Parallel Supercomputers [129]	IEEE	TCO	J	1987	S
Loop coalescing: A compiler transformation for parallel machines [130]	ACM	ICPP	С	1987	S
Strategies for cache and local memory management by global program transformation [131]	Springer	ICS	С	1987	S
The program dependence graph and its use in optimization [132]	ACM	TOPLAS	J	1987	A, E, M, C
Automatic translation of Fortran programs to vector form [133]	ACM	TOPLAS	J	1987	D, O, S
Safety consideration for storage allocation optimizations [134]	ACM	PLDI	C	1988	-
Efficient and correct execution of parallel programs that share memory [135]	ACM	TOPLAS (LOPES)	С	1988	-
On the control dependence in the program dependence graph [136]	ACM	CSC	С	1988	-
Resource requirements of dataflow programs [137]	ACM	ISCA	C	1988	-
Incremental data flow analysis via dominator and attribute applate [138]	ACM	POPL	С	1988	-
An efficient approach to data flow analysis in a multiple pass global optimizer [139]	ACM	PLDI	С	1988	A
A solution to a problem with Morel and Renvoise's "Global optimization by suppression of partial redundancies" [140]	ACM	TOPLAS	J	1988	E
Efficient computation of flow-insensitive interprocedural summary information—a correction [141]	ACM	SIGPLAN Notices	J	1988	O
Dependence of multi-dimensional array references [142]	ACM	ICS	С	1988	O
The importance of direct dependences for automatic parallelization [143]	ACM	ICS	С	1988	О
Introducing symbolic problem solving techniques in the dependence testing phases of a vectorizer [144]	ACM	ICS	С	1988	0
Generating sequential code from parallel code [145]	ACM	SC	С	1988	O
CRegs: a new kind of memory for referencing arrays and pointers [146]	ACM	ICS	С	1988	-
Advanced loop optimizations for parallel computers [147]	ACM	ICS	С	1988	S
An introduction to a formal theory of dependence analysis [148]  Analysis of interprocedural side effects in a parallel programming	Springer	JSC	J	1988	S
environment [149]	ACM	ICS	С	1988	S
Array expansion [150]	ACM	ICS	C	1988	S
Loop quantization: A generalized loop unwinding technique [151]	ACM	JPDC	J	1988	S
Supernode partitioning [152]	ACM	PLDI	С	1988	S
A fast algorithm for code movement optimisation [153]	ACM	PLDI	С	1988	A, E
Compiling programs for distributed-memory multiprocessors [154]	Elsevier	JSC	J	1988	O, S
Optimal loop parallelization [155] Software pipelining: an effective scheduling technique for VLIW	ACM ACM	PLDI PLDI	C C	1988 1988	A, E, M, S D, E
machines [156] The program summary graph and flow-sensitive interprocedual data	ACM	PLDI	С	1988	A, O
flow analysis [157]					
A framework for determining useful parallelism [158]	ACM	ICS	С	1988	O, S
An overview of the PTRAN analysis system for multiprocessing [159]	Elsevier	JPDC	J	1988	D, S

Efficient interprocedural analysis for program parallelization and restructuring [160]  Compiling issues for supercomputers [161]  ACM Minimizing register usage penalty at procedure calls [162]  Estimating interlock and improving balance for pipelined architectures [163]  Global value numbers and redundant computations [164]  Perfect pipelining: A new loop parallelization technique [165]  Sprin Code scheduling and register allocation in large basic blocks [166]  Interprocedural side-effect analysis in linear time [167]  A technique for summarizing data access and its use in parallelism enhancing transformations [168]  Interprocedural analysis vs. procedure integration [169]  Unified management of registers and cache using liveness and cache bypass [170]  A new algorithm for composite hoisting and strength reduction optimisation [171]  Interprocedual data flow testing [172]  Program optimization for instruction caches [173]  Dependence analysis for pointer variables [174]  The program dependence graph and vectorization [175]  ACM Achieving high instruction cache performance with an optimizing compiler [176]  Evaluating the performance of four snooping cache coherency protocols [177]  Scans as primitive parallel operations [178]  Code generation using tree matching and dynamic programming [179]  Register allocation via clique separators [180]  Fast interprocedual alias analysis [181]  Coloring heuristics for register allocation [182]  More iteration space tiling [183]  ACM More iteration space tiling [183]  ACM Customization: Optimizing compiler technology for SELF, a dynamically-typed OOP language [186]  An efficient method of computing static single assignment form [187]  The value flow graph: A program representation for optimal program ransformations [188]  Compiler techniques for data partitioning of sequentially iterated parallel loops [189]  Vectorization of tree traversals [190]  Loop displacement: an approach for transforming and scheduling loops for parallel execution [191]  Experience with interprocedu	M PPoPP		Year	Sources
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Register allocation across procedure and module boundaries [194] ACM		C	1990	A
	M PLDI	С	1990	A
Region Scheduling: An Approach for Detecting and Redistributing Parallelism [195]	E TSE	J	1990	E
Constructing the procedure call multigraph [196]	E TSE	J	1990	O
On the perfect accuracy of an approximate subscript analysis test [197]  ACM	M CAN	J	1990	О

Title	Venue Type	Venue Name	Type	Year	Sources
Structured dataflow analysis for arrays and its use in an optimizing compiler [198]	Wiley	Software: Practice and Experience	J	1990	0
Compilation of Haskell array comprehensions for scientific computing [199]	ACM	PLDI	С	1990	S
How to read floating point numbers accurately [200]	ACM	PLDI	С	1990	S
How to print floating-point numbers accurately [201]	ACM	PLDI	С	1990	S
Profile guided code positioning [202]	ACM	PLDI	С	1990	S
Updating distributed variables in local computations [203]	Wiley	SPE	J	1990	S
An interval-based approach to exhaustive and incremental interprocedural data-flow analysis [204]	ACM	TOPLAS	J	1990	E, O
The priority-based coloring approach to register allocation [205]	ACM	TOPLAS	J	1990	A, D, E, S
Improving register allocation for subscripted variables [206]	ACM	PLDI	С	1990	A, E, M, O S
Analysis of pointers and structures [207]	ACM	PLDI	C	1990	A, E
Loop distribution with arbitrary control flow [208]	ACM	PLDI	С	1990	O, S
Graph coloring register allocation for processors with multi-register operands [209]	ACM	PLDI	C	1990	A, E
A data locality optimizing algorithm [210]	ACM	PLDI	С	1991	-
On optimal parallelization of arbitrary loops [211]	Elsevier	JPDC	J	1991	-
On the adequacy of dependence-based representations for programs with heaps [212]	Springer	TACS	С	1991	-
Automatic construction of sparse data flow evaluation graphs [213]	ACM	POPL	C	1991	-
Compiler optimizations for Fortran D on MIMD distributed-memory machines [214]	ACM	SC	С	1991	-
Register allocation via hierarchical graph coloring [215]	ACM	PLDI	С	1991	A
Circular scheduling: a new technique to perform software pipelining [216]	ACM	PLDI	С	1991	A
Efficient DAG construction and heuristic calculation for instruction scheduling [217]	ACM	MICRO	W	1991	E
Efficiently computing static single assignment form and the control dependence graph [218]	ACM	TOPLAS	J	1991	M
Software prefetching [219]	ACM	ASPLOS	С	1991	O
Compiling global name-space parallel loops for distributed execution [220]	IEEE	TPDS	J	1991	O
An implementation of interprocedural bounded regular section analysis [221]	ACM	TPDS	J	1991	О
Limits of instruction-level parallelism [222]	ACM	ASPLOS	С	1991	S
Uniform techniques for loop optimization [223]	ACM	ICS	C	1991	S
A data locality optimizing [210]	ACM	PLDI	С	1991	A, D, M, C
Constant propagation with conditional branches [224]	ACM	TOPLAS	J	1991	A, E, M, C S
Efficient and exact data dependence analysis [225]	ACM	PLDI	С	1991	A, D, O
Efficiently computing static single assignment [226]	ACM	TOPLAS	J	1991	A, D, E, C
Global instruction scheduling for superscalar machines [227]	ACM	PLDI	С	1991	A, D, E
Practical adaption of the global optimization algorithm of Morel and Renvoise [228]	ACM	TOPLAS	J	1991	A, E
The cache performance and optimizations of blocked algorithms [229]	ACM	ASPLOS	С	1991	A, D
A loop transformation theory and an algorithm to maximize parallelism [230]	IEEE	TPDS	J	1991	O, S
Dataflow analysis of array and scalar references [231]	Springer	JPP	J	1991	A, S
Optimization of array accesses by collective loop transformations [232]	ACM	SC	C	1991	D, O

Interprocedural transformations for parallel code generation [233] ACM Practical dependence testing [234] ACM Procedure merging with instruction caches [235] ACM An experiment with inline substitution [236] Will Access normalization: loop restructuring for NUMA compilers [?] ACM Non-unimodular transformations of nested loops [237] ACM A general framework for iteration-reordering loop transformations [238] A program integration algorithm that accommodates semantics-preserving transformations [239] Approarm integration of pointer data structures: an approach for improving the analysis and optimization of imperative programs [241] ACM Abstract description of pointer data structures: an approach for improving the analysis and optimization of imperative programs [242] Acm	M PL ey SF M ASP M SO M PL M TOS	DI C DI C PE J PLOS C C C	1991 1991 1991 1991 1991 1992	O, S A, O A, S E, S
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Design and evaluation of a compiler algorithm for prefetching [267] AC	M PL		1992	D, O
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Advanced compiler optimizations for sparse computations [269] AC	M PL M ASP nger LC		1993	-

Title	Venue Type	Venue Name	Туре	Year	Sources
Access normalization: loop restructuring for NUMA computers [270]	ACM	TOCS	J	1993	-
On the conversion of indirect to direct recursion [271]	ACM	TOPLAS (LOPLAS)	J	1993	-
A practical data flow framework for array reference analysis and its use in optimizations [272]	ACM	PLDI	С	1993	-
Using lifetime predictors to improve memory allocation performance [273]	ACM	PLDI	С	1993	-
Data flow analysis for parallel programs [274]	ACM	CSC	С	1993	-
Dependence-based program analysis [275]	ACM	PLDI	С	1993	A
A variation of Knoop, Rüthing, and Steffen's lazy code motion [276]	ACM	PLDI	С	1993	E
Lazy strength reduction [277]	C&H	JPL	J	1993	A, E
Collective loop fusion for array contraction [278]	Springer	LCPC	C	1993	O
Interprocedural constant propagation: an empirical study [279]	ACM	TOPLAS (LOPLAS)	J	1993	О
Symbolic analysis: A basis for parallelization, optimization, and scheduling of programs [280]	Springer	LCPC	W	1993	O
Array-data flow analysis and its use in array privatization [281]	ACM	POPL	С	1993	S
Automatic array alignment in data-parallel programs [282]	ACM	POPL	С	1993	S
Global optimizations for parallelism and locality on scalable parallel machines [283]	ACM	PLDI	С	1993	S
Instruction-Level Parallel Processing: History, Overview, and Perspective [284]	Springer	JSC	J	1993	S
A practical system for intermodule code optimization at link-time [285]	C&H	JPL	J	1993	A
Loop-level parallelism in numeric and symbolic programs [286]	IEEE	TPDS	J	1993	S
Orchestrating interactions among parallel computations [287]	ACM	PLDI	С	1993	S
The superblock: an effective technique for VLIW and superscalar compilation [288]	Springer	JSC	J	1993	S
Optimizing array bound checks using flow analysis [289]	ACM	PLDI	С	1993	A, E
Register allocation with instruction scheduling [290]	ACM	PLDI	С	1993	A, E
A methodology for procedure cloning [291]	Elsevier	COLA (COMLAN)	J	1993	A, O, S
Efficient flow-sensitive interprocedural computation of pointer-induced aliases and side effects [292]	ACM	POPL	С	1993	E, O, S
Automatic array privatization [293]	Springer	LCPC	W	1993	O, S
Interprocedural modification side effect analysis with pointer aliasing [294]	ACM	PLDI	C	1993	M, S
Branch prediction for free [295]	ACM	PLDI	С	1993	A, M
Enabling unimodular transformations [296]	ACM	SC	С	1994	-
Compiler optimizations for improving data locality [297]	ACM	ASPLOS	С	1994	-
The revival transformation [298]	ACM	PLDI	С	1994	-
The range test: a dependence test for symbolic, non-linear expressions [299]	ACM	SC	С	1994	-
Link-time optimization of address calculation on a 64-bit architecture [300]	ACM	PLDI	С	1994	A
Effective partial redundancy elimination [301]	ACM	PLDI	С	1994	A
Partial dead code elimination [302]	ACM	PLDI	С	1994	A
A general data dependence test for dynamic, pointer-based data structures [241]	ACM	PLDI	С	1994	A
Instruction scheduling over regions: A framework for scheduling across basic blocks [303]	Springer	СС	С	1994	A
Value dependence graphs: representation without taxation [304]	ACM	POPL	С	1994	A
	ACM	PLDI	С	1994	E
Zero-cost range splitting [305]					
Zero-cost range splitting [305] Reducing branch costs via branch alignment [306]	ACM	OSR	J	1994	E

Title	Venue Type	Venue Name	Туре	Year	Sources
Improving the ratio of memory operations to floating-point operations in loops [307]	ACM	TOPLAS	J	1994	M
Optimizing multi-method dispatch using compressed dispatch tables [308]	ACM	OOPSLA	С	1994	M
Improving the accuracy of static branch prediction using branch correlation [309]	ACM	ASPLOS	С	1994	M
A compiler framework for restructuring data declarations to enhance cache and TLB effectiveness [310]	IEEE	CASCON	С	1994	S
False sharing and spatial locality in multiprocessor caches [311]	IEEE	TCO	J	1994	S
Reassociation and strength reduction [312]	ACM	SCO	С	1994	S
The alignment-distribution graph [313]	Springer	LCPC	W	1994	S
Improvements to graph coloring register allocation [314]	ACM	TOPLAS	J	1994	A, E, M
Context-sensitive interprocedural points-to analysis in the presence of function pointers [315]	ACM	PLDI	С	1994	D, E
Interprocedural may-alias analysis for pointers: beyond k-limiting [316]	ACM	PLDI	С	1994	A, E
Scalar replacement in the presence of conditional control flow [317]	Wiley	SPE	J	1994	E, O

**Table 1:** The papers from Advanced Compiler Design and Implementation [1] (A), Compilers: Principles, Techniques, and Tools [2] (D), Engineering a Compiler [3] (E), Modern Compiler Implementation in C/Java/ML [4–6] (M), Optimizing Compilers for Modern Architectures: A Dependence-Based Approach [7] (O), and the Bacon's survey [8] (S). In the **Type** column, C stands for conference, J for journal, and W for workshop.

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