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- izadkhan h and li y 2019, learning based genetic algorithm for task graph scheduling, applied computational intelligence and soft computing, **2019**, online publication date: 1-jan-2019.
- bock a static partitioning of spreadsheets for parallel execution practical aspects of declarative languages, (221-237)
- popa e, iacono m and pop f 2018, adapting mcp and hlftet algorithms to multiple simultaneous scheduling, international journal of parallel programming, **46**:3, (607-629), online publication date: 1-jun-2018.
- schreiber e, korf r and moffitt m 2018, optimal multi-way number partitioning, journal of the acm, **65**:4, (1-61), online publication date: 16-aug-2018.
- deldari a, naghizadeh m and abrishami s 2017, cca, the journal of supercomputing, **73**:2, (756-781), online publication date: 1-feb-2017.
- khan m 2017, task scheduling for heterogeneous systems using an incremental approach, the journal of supercomputing, **73**:5, (1905-1928), online publication date: 1-may-2017.
- yoosefi a and naji h 2017, a clustering algorithm for communication-aware scheduling of task graphs on multi-core reconfigurable systems, iee transactions on parallel and distributed systems, **28**:10, (2718-2732), online publication date: 1-oct-2017.
- kanemitsu h, hanada m and nakazato h 2016, clustering-based task scheduling in a large number of heterogeneous processors, iee transactions on parallel and distributed systems, **27**:11, (3144-3157), online publication date: 1-nov-2016.
- madhu k, rao a, das s, madhava k, nandy s and narayan r flexible resource allocation and management for application graphs on renÉmpsoc proceedings of the 7th workshop on parallel programming and run-time management techniques for many-core architectures and the 5th workshop on design tools and architectures for multicore embedded computing platforms, (13-18)
- kliazovich d, pecero j, tcherrykh a, bouvry p, khan s and zomaya a 2016, ca-dag, journal of grid computing, **14**:1, (23-39), online publication date: 1-mar-2016.
- park h, malik a and salci z 2015, scheduling globally asynchronous locally synchronous programs for guaranteed response times, acm transactions on design automation of electronic systems, **20**:3, (1-25), online publication date: 24-jun-2015.
- yang t and gerasoulis a pyrros acm international conference on supercomputing 25th anniversary volume, (163-172)
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- wu j, zeng j, yu h and kenny j commgram proceedings of the first workshop on visual performance analysis, (28-35)
- david t, jacquelin m and marchal l 2012, scheduling streaming applications on a complex multicore platform, concurrency and computation: practice & experience, **24**:15, (1726-1750), online publication date: 1-oct-2012.
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- hsu c, pino j and bhattacharyya s 2011, multithreaded simulation for synchronous dataflow graphs, acm transactions on design automation of electronic systems, **16**:3, (1-23), online publication date: 1-jun-2011.
- colin j and nakechbandi m scheduling tasks and communications on a hierarchical system with message contention proceedings of the 11th international conference on algorithms and architectures for parallel processing - volume part ii, (89-98)
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- baskaran m, vydyanathan n, bondhugula u, ramanujam j, rountev a and sadayappan p 2009, compiler-assisted dynamic scheduling for effective parallelization of loop nests on multicore processors, acm sigplan notices, **44**:4, (219-228), online publication date: 14-feb-2009.
- baskaran m, vydyanathan n, bondhugula u, ramanujam j, rountev a and sadayappan p compiler-assisted dynamic scheduling for effective parallelization of loop nests on multicore processors proceedings of the 14th acm sigplan symposium on principles and practice of parallel programming, (219-228)
- quan d and hsu d 2008, mapping heavy onto grid resources within an sla context using metaheuristics, international journal of high performance computing applications, **22**:3, (330-346), online publication date: 1-aug-2008.
- hsu c, pino j and bhattacharyya s multithreaded simulation for synchronous dataflow graphs proceedings of the 45th annual design automation conference, (331-336)
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- ruan y, liu g, han j and li q communication-aware scheduling algorithm based on heterogeneous computing systems proceedings of the 7th international conference on computational science, part i: iccs 2007, (426-429)
- lee s, kumara s and gautam n 2007, efficient scheduling algorithm for component-based networks, future generation computer systems, **23**:4, (558-568), online publication date: 1-may-2007.
- roig c, ripoll a and guirado f 2007, a new task

- graph model for mapping message passing applications, *ieee transactions on parallel and distributed systems*, **18**:12, (1740-1753), online publication date: 1-dec-2007.
36. ayyub s and abramson d gridroot proceedings of the 21st annual international conference on supercomputing, (43-52)
 37. gautama h and van gemund a 2006, low-cost static performance prediction of parallel stochastic task compositions, *ieee transactions on parallel and distributed systems*, **17**:1, (78-91), online publication date: 1-jan-2006.
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 42. baskiyar s and dickinson c 2005, scheduling directed a-cyclic task graphs on a bounded set of heterogeneous processors using task duplication, *journal of parallel and distributed computing*, **65**:8, (911-921), online publication date: 1-aug-2005.
 43. muthuvelu n, liu j, soe n, venugopal s, sulistio a and buyya r a dynamic job grouping-based scheduling for deploying applications with fine-grained tasks on global grids proceedings of the 2005 australasian workshop on grid computing and e-research - volume 44, (41-48)
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 47. sinnen o and sousa l 2004, on task scheduling accuracy, the journal of supercomputing, **27**:2, (177-194), online publication date: 1-feb-2004.
 48. nanda m, chandra s and sarkar v decentralizing execution of composite web services proceedings of the 19th annual acm sigplan conference on object-oriented programming, systems, languages, and applications, (170-187)
 49. nanda m, chandra s and sarkar v 2004, decentralizing execution of composite web services, *acm sigplan notices*, **39**:10, (170-187), online publication date: 1-oct-2004.
 50. rosien m, guo y, smit g and krol t mapping applications to an fpfa tile proceedings of the conference on design, automation and test in europe - volume 1
 51. lai g, fang j, sung p and pean d scheduling parallel tasks onto numa multiprocessors with inter-processor communication overhead proceedings of the 2003 international conference on parallel and distributed processing and applications, (65-75)
 52. lee h, kim j, hong s and lee s 2003, processor allocation and task scheduling of matrix chain products on parallel systems, *ieee transactions on parallel and distributed systems*, **14**:4, (394-407), online publication date: 1-apr-2003.
 53. van gemund a 2003, symbolic performance modeling of parallel systems, *ieee transactions on parallel and distributed systems*, **14**:2, (154-165), online publication date: 1-feb-2003.
 54. radulescu a and van gemund a 2002, low-cost task scheduling for distributed-memory machines, *ieee transactions on parallel and distributed systems*, **13**:6, (648-658), online publication date: 1-jun-2002.
 55. lepère r and trystram d a new clustering algorithm for large communication delays proceedings of the 16th international parallel and distributed processing symposium
 56. bambha n, kiazad v, khandelia m and bhattacharyya s 2002, intermediate representations for design automation of multiprocessor dsp systems, *design automation for embedded systems*, **7**:4, (307-323), online publication date: 1-nov-2002.
 57. konstantinou d and koziris n topper proceedings of the 8th panhellenic conference on informatics, (336-350)
 58. wu m, shu w and gu j 2001, efficient local search for dag scheduling, *ieee transactions on parallel and distributed systems*, **12**:6, (617-627), online publication date: 1-jun-2001.
 59. gupta r and de micheli g hardware-software cosynthesis for digital systems readings in hardware/software co-design, (5-17)
 60. wu m, shu w and chen y runtime parallel incremental scheduling of dags proceedings of the proceedings of the 2000 international conference on parallel processing
 61. lee h, kim j, hong s and lee s task scheduling using a block dependency dag for block-oriented sparse cholesky factorization proceedings of the 2000 acm symposium on applied computing - volume 2, (641-648)
 62. ahmad i, kwok y, wu m and shu w 2000, casch, *ieee concurrency*, **8**:4, (21-33), online publication date: 1-oct-2000.
 63. kadamuddi d and tsai j 2000, clustering algorithm for parallelizing software systems in multiprocessors environment, *ieee transactions on software engineering*, **26**:4, (340-361), online publication date: 1-apr-2000.
 64. ranaweera s and agrawal d a scalable task duplication based scheduling algorithm for heterogeneous systems proceedings of the proceedings of the 2000 international conference on parallel processing
 65. gajjala purna k and bhatia d 1999, temporal partitioning and scheduling data flow graphs for reconfigurable computers, *ieee transactions on computers*, **48**:6, (579-590), online publication date: 1-jun-1999.
 66. kwok y and ahmad i 1999, fastest, *ieee transactions on parallel and distributed systems*, **10**:2, (147-159), online publication date: 1-feb-1999.
 67. kwok y and ahmad i 1999, static scheduling algorithms for allocating directed task graphs to multiprocessors, *acm computing surveys*, **31**:4, (406-471), online publication date: 1-dec-1999.
 68. grajcar m genetic list scheduling algorithm for scheduling and allocation on a loosely coupled heterogeneous multiprocessor system proceedings of the 36th annual acm/ieee design automation conference, (280-285)
 69. grandpierre t, lavarenne c and sorel y optimized rapid prototyping for real-time embedded heterogeneous multiprocessors proceedings of the seventh international workshop on hardware/software codesign, (74-78)
 70. gao l, rosenberg a and sitaraman r 1999, optimal clustering of tree-sweep computations for high-latency parallel environments, *ieee transactions on parallel and distributed systems*, **10**:8, (813-824), online publication date: 1-aug-1999.
 71. ahmad i and kwok y 1999, on parallelizing the multiprocessor scheduling problem, *ieee transactions on parallel and distributed systems*, **10**:4, (414-432), online publication date: 1-apr-1999.
 72. darbha s and agrawal d 1998, optimal scheduling algorithm for distributed-memory machines, *ieee transactions on parallel and distributed systems*, **9**:1, (87-95), online publication date: 1-jan-1998.
 73. amoura a, bampis e and könig j 1998, scheduling algorithms for parallel gaussian elimination with communication costs, *ieee transactions on parallel and distributed systems*, **9**:7, (679-686), online publication date: 1-jul-1998.
 74. yang t and fu c 1998, space/time-efficient scheduling and execution of parallel irregular computations, *acm transactions on programming languages and systems*, **20**:6, (1195-1222), online publication date: 1-nov-1998.
 75. lee w, barua r, frank m, srikrishna d, babb j, sarkar v and amarasinghe s 1998, space-time scheduling of instruction-level parallelism on a raw machine, *acm sigops operating systems review*, **32**:5, (46-57), online publication date: 1-dec-1998.
 76. lee w, barua r, frank m, srikrishna d, babb j, sarkar v and amarasinghe s space-time scheduling of instruction-level parallelism on a raw machine proceedings of the eighth international conference on architectural support for programming languages and operating systems, (46-57)
 77. lee w, barua r, frank m, srikrishna d, babb j, sarkar v and amarasinghe s 1998, space-time scheduling of instruction-level parallelism on a raw machine, *acm sigplan notices*, **33**:11, (46-57), online publication date: 1-nov-1998.
 78. klasing r 1998, improved compressions of cube-connected cycles networks, *ieee transactions on parallel and distributed systems*, **9**:8, (803-812), online publication date: 1-aug-1998.
 79. donaldson v and ferrante j 1998, analyzing asynchronous pipeline schedules, *international journal of parallel programming*, **26**:1, (5-42), online publication date: 1-feb-1998.
 80. darbha s and pande s 1998, a robust compile time method for scheduling task parallelism on distributed memory machines, *the journal of supercomputing*, **12**:4, (325-347), online publication date: 1-oct-1998.
 81. chapin s and spafford e 1998, dissemination of state information in distributed autonomous systems, *computer communications*, **21**:11, (969-979), online publication date: 1-aug-1998.
 82. wang y, amato n and friesen d hindsight helps proceedings of the international conference on parallel processing, (170-173)
 83. fu c and yang t 1997, space and time efficient execution of parallel irregular computations, *acm sigplan notices*, **32**:7, (57-68), online publication date: 1-jul-1997.
 84. fu c and yang t space and time efficient execution of parallel irregular computations proceedings of the sixth acm sigplan symposium on principles and practice of parallel programming, (57-68)
 85. megiddo n and sarkar v optimal weighted loop fusion for parallel programs proceedings of the ninth annual acm symposium on parallel algorithms and architectures, (282-291)
 86. ramaswamy s, sapatnekar s and banerjee p 1997, a framework for exploiting task and data parallelism on distributed memory multicomputers, *ieee transactions on parallel and distributed systems*, **8**:11, (1098-1116), online publication date: 1-nov-1997.
 87. yang t and fu c 1997, heuristic algorithms for scheduling iterative task computations on distributed memory machines, *ieee transactions on parallel and distributed systems*, **8**:6, (608-622), online publication date: 1-jun-1997.
 88. wu m and shu w 1997, on parallelization of static scheduling algorithms, *ieee transactions on software engineering*, **23**:8, (517-528), online publication date: 1-aug-1997.
 89. ahmad i, kwok y, wu m and shu w automatic parallelization and scheduling of programs on multiprocessors using casch proceedings of the international conference on parallel processing, (288-291)
 90. liou j and palis m a comparison of general approaches to multiprocessor scheduling proceedings of the 11th international symposium on parallel processing, (152-156)
 91. fu c and yang t efficient run-time support for irregular task computations with mixed regularities proceedings of the 10th international parallel processing symposium, (823-830)
 92. palis m, liou j and wei d 1996, task clustering and scheduling for distributed memory parallel architectures, *ieee transactions on parallel and distributed systems*, **7**:1, (46-55), online publication date: 1-jan-1996.
 93. kwok y and ahmad i 1996, dynamic critical-path scheduling, *ieee transactions on parallel and distributed systems*, **7**:5, (506-521), online publication date: 1-may-1996.
 94. schumann m automatic performance prediction to support cross development of parallel programs proceedings of the sigmetrics symposium on parallel and distributed tools, (88-97)
 95. fu c and yang t run-time compilation for parallel sparse matrix computations proceedings of the 10th international conference on supercomputing, (237-244)
 96. subhlok j and vondran g optimal latency-throughput tradeoffs for data parallel pipelines proceedings of the eighth annual acm symposium on parallel algorithms and architectures, (62-71)
 97. kim j and shin k 1996, execution time analysis of communicating tasks in distributed systems, *ieee transactions on computers*, **45**:5, (572-579), online publication date: 1-may-1996.
 98. yang t and ibarra o 1996, performance prediction in symbolic scheduling of partitioned programs with weight variation, *journal of parallel and distributed computing*, **34**:2, (171-182), online publication date: 1-may-1996.
 99. roy k and mccrosky c transformation of functional specifications of finite difference methods to parallel distributed codes proceedings of the ifip wg10.3 working conference on parallel architectures and compilation techniques, (268-272)
 100. engelhardt d and wendelborn a a partitioning-independent paradigm for nested data parallelism proceedings of the ifip wg10.3 working conference on parallel architectures and compilation techniques, (224-233)
 101. löwe w and zimmermann w upper time bounds for executing pram-programs on the logp-machine proceedings of the 9th international conference on supercomputing, (41-50)
 102. subhlok j and vondran g 1995, optimal mapping of sequences of data parallel tasks, *acm sigplan notices*, **30**:8, (134-143), online publication date: 1-aug-1995.
 103. subhlok j and vondran g optimal mapping of sequences of data parallel tasks proceedings of the fifth acm sigplan symposium on principles and practice of parallel programming, (134-143)
 104. gross t, o'hallaron d and subhlok j 1994, task parallelism in a high performance fortran framework, *ieee parallel & distributed technology: systems & technology*, **2**:3, (16-26), online publication date: 1-sep-1994.
 105. subhlok j, o'hallaron d, gross t, dinda p and webb j communication and memory requirements as the basis for mapping task and data parallel programs proceedings of the 1994 acm/ieee conference on supercomputing, (330-339)
 106. wang k 1994, precise compile-time performance prediction for superscalar-based computers, *acm sigplan notices*, **29**:6, (73-84), online publication date: 1-jun-1994.
 107. van gemund a compiling performance models from parallel programs proceedings

of the 8th international conference on supercomputing, (303-312)

108. wang k precise compile-time performance prediction for superscalar-based computers proceedings of the acm sigplan 1994 conference on programming language design and implementation, (73-84)
109. gupta r and de micheli g 1993, hardware-software cosynthesis for digital systems, ieees publication & test, **10**:3, (29-41), online publication date: 1-jul-1993.
110. van gemund a performance prediction of parallel processing systems proceedings of the 7th international conference on supercomputing, (318-327)
111. fahringer t and zima h a static parameter based performance prediction tool for parallel programs proceedings of the 7th international conference on supercomputing, (207-219)
112. alverson g and notkin d 1993, program structuring for effective parallel portability, ieees transactions on parallel and distributed systems, **4**:9, (1041-1059), online publication date: 1-sep-1993.
113. sih g and lee e 1993, declustering, ieees transactions on parallel and distributed systems, **4**:6, (625-637), online publication date: 1-jun-1993.
114. gerasoulis a and yang t 1993, on the granularity and clustering of directed acyclic task graphs, ieees transactions on parallel and distributed systems, **4**:6, (686-701), online publication date: 1-jun-1993.
115. sih g and lee e 1993, a compile-time scheduling heuristic for interconnection-constrained heterogeneous processor architectures, ieees transactions on parallel and distributed systems, **4**:2, (175-187), online publication date: 1-feb-1993.
116. hassan k and samadzadeh m an object-oriented environment for simulation and evaluation of architectures proceedings of the 25th annual symposium on simulation, (91-97)
117. mcreary c and gill d automatic partitioning and virtual scheduling for efficient parallel execution proceedings of the 30th annual southeast regional conference, (29-36)
118. yang t and gerasoulis a pyrrhos proceedings of the 6th international conference on supercomputing, (428-437)
119. lee y and ryder b a comprehensive approach to parallel data flow analysis proceedings of the 6th international conference on supercomputing, (236-247)
120. yang t and gerasoulis a a fast static scheduling algorithm for dags on an unbounded number of processors proceedings of the 1991 acm/ieees conference on supercomputing, (633-642)
121. hall m, kennedy k and mckinley k interprocedural transformations for parallel code generation proceedings of the 1991 acm/ieees conference on supercomputing, (424-434)
122. ramanujam j and sadayappan p tiling multidimensional iteration spaces for nonshared memory machines proceedings of the 1991 acm/ieees conference on supercomputing, (111-120)
123. simons b, alpern d and ferrante j a foundation for sequentializing parallel code proceedings of the second annual acm symposium on parallel algorithms and architectures, (350-359)
124. sarkar v 1990, instruction reordering for fork-join parallelism, acm sigplan notices, **25**:6, (322-336), online publication date: 1-jun-1990.
125. debray s, lin n and hermegildo m 1990, task granularity analysis in logic programs, acm sigplan notices, **25**:6, (174-188), online publication date: 1-jun-1990.
126. sarkar v instruction reordering for fork-join parallelism proceedings of the acm sigplan 1990 conference on programming language design and implementation, (322-336)
127. debray s, lin n and hermegildo m task granularity analysis in logic programs proceedings of the acm sigplan 1990 conference on programming language design and implementation, (174-188)
128. gerasoulis a, venugopal s and yang t clustering task graphs for message passing architectures proceedings of the 4th international conference on supercomputing, (447-456)
129. gerasoulis a, venugopal s and yang t 1990, clustering task graphs for message passing architectures, acm sigarch computer architecture news, **18**:3b, (447-456), online publication date: 1-sep-1990.
130. sarkar v 1989, determining average program execution times and their variance, acm sigplan notices, **24**:7, (298-312), online publication date: 1-jul-1989.
131. cytron r, hind m and hsieh w 1989, automatic generation of dag parallelism, acm sigplan notices, **24**:7, (54-68), online publication date: 1-jul-1989.
132. sarkar v determining average program execution times and their variance proceedings of the acm sigplan 1989 conference on programming language design and implementation, (298-312)
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