

[Network algorithmics an interdisciplinary approach to designing fast networked devices The Morgan Kaufmann series in networking](#)



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systems approach to streamlining network implementations Network algorithmics is an interdisciplinary approach because it encompasses such fields as architecture and operating systems (for speeding up servers), hardware design (for speeding up network devices such as routers), and algorithm design (for designing scalable algorithms) Network algorithmics is also a systems approach, because it concentrates on such network implementation bottlenecks, especially at servers and routers Beyond servers and routers, new breeds of networking devices that introduce new performance bottlenecks are becoming