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Optimal control and heavy traffic analysis has been shown to yield systems with greatly improved performance. Indeed, the heavy traffic approach covers many cases of great current interest, and provides a useful and practical approach to problems of analysis and control arising in modern high speed telecommunications.

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Heavy traffic analysis of controlled multiplexing systems Kushner, Harold 2004-10-06 00:00:00 The paper develops the mathematics of the heavy traffic approach to the control and optimal control problem for multiplexing systems, where there are many mutually independent sources which feed into a single channel via a multiplexer (or of networks composed of such subsystems). Due to the widely varying bit rates over all sources, control over admission, bandwidth, etc., is needed to assure good ...

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Abstract There has been much work on the heavy traffic analysis of queueing systems, but very little on controlled problems. The paper deals with the heavy traffic approach to the control problem for multiplexing-type systems, a basic component of communications systems. There are many mutually independent sources which feed into a single channel.

Heavy Traffic and Optimal Control Methods for a ...

Heavy traffic on a controlled motorway - NASA/ADS Unlimited access to a motorway network can, in overloaded conditions, cause a loss of capacity. Ramp metering (signals on slip roads to control access to the motorway) can help avoid this loss of capacity.

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Heavy Traffic is a 1973 American adult animated drama film written and directed by Ralph Bakshi. The film, which begins, ends, and occasionally combines with live-action, explores the often surreal fantasies of a young New York cartoonist named Michael Corleone, using pinball imagery as a metaphor for inner-city life. Heavy Traffic was Bakshi and producer Steve Krantz's follow-up to the film ...

Heavy Traffic - Wikipedia

Press Release Traffic Management System Market Share – Detailed Analysis of Current Industry Figures with Forecasts Growth By 2026 Published: Sept. 14, 2020 at 3:17 a.m. ET

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