

1. Record Nr.	UNINA9910299859003321
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Titolo	Traffic and Random Processes : An Introduction // by Raffaele Mauro
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-09324-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (128 p.)
Disciplina	388.015195
Soggetti	Engineering geology Foundations Hydraulics Transportation Statistical physics Dynamics Geoengineering, Foundations, Hydraulics Complex Systems Statistical Physics and Dynamical Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction to Random and Traffic Processes -- Statistical Characterization of Random Function -- Some Major Random Processes -- Traffic Flow Stationarity -- The Traffic Counting Process -- The Process of Vehicle Headways -- Speed Processes.
Sommario/riassunto	This book deals in a basic and systematic manner with a the fundamentals of random function theory and looks at some aspects related to arrival, vehicle headway and operational speed processes at the same time. The work serves as a useful practical and educational tool and aims at providing stimulus and motivation to investigate issues of such a strong applicative interest. It has a clearly discursive and concise structure, in which numerical examples are given to clarify the applications of the suggested theoretical model. Some statistical characterizations are fully developed in order to illustrate the peculiarities of specific modeling approaches; finally, there is a useful

bibliography for in-depth thematic analysis.

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