

1. Record Nr.	UNINA9910758487003321
Titolo	Traffic Flow Theory
Pubbl/distr/stampa	[Place of publication not identified], : TU Delft Open, 2021 ©2018
Descrizione fisica	1 online resource
Soggetti	Engineering Civil
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Variables -- 2 Cumulative curves -- 3 Relationships of traffic variables -- 4 Shock wave theory -- 5 Shockwave theory: moving bottlenecks -- 6 Traffic states and Phenomena -- 7 Car-following -- 8 Microscopic lane change models -- 9 Use of traffic models -- 10 Macroscopic Dynamic Traffic flow Models -- 11 An Introduction to Node Models -- 12 Macroscopic fundamental diagram -- 13 Method of characteristics -- 14 Headway models -- 15 Traffic state dynamics in three representations --
Sommario/riassunto	Traffic processes cause several problems in the world. Traffic delay, pollution are some of it. They can be solved with the right road design or traffic management (control) measure. Before implementing these designs of measures, though, their effect could be tested. To this end, knowledge of traffic flow theory is needed.