

1. Record Nr.	UNINA9910780977203321
Autore	Zimba Jason <1969->
Titolo	Force and motion [[electronic resource]] : an illustrated guide to Newton's laws // Jason Zimba
Pubbl/distr/stampa	Baltimore, : Johns Hopkins University Press, 2009
ISBN	0-8018-9632-0
Descrizione fisica	1 online resource (440 p.)
Disciplina	531/.11
Soggetti	Motion Dynamics Mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 421) and index.
Nota di contenuto	Graphing relationships -- Rates of change -- Introducing position and velocity -- Vectors -- Position and velocity, revisited -- Introducing acceleration -- Acceleration as a rate of change -- Focus on a-perp -- Case study : straight-line motion -- The concept of force -- Combining forces that act on the same target -- "Newton's little law" -- Newton's second law -- Dynamics -- Newton's third law -- Kinds of force -- Strategies for applying Newton's laws.