

1. Record Nr.	UNINA9910816743703321
Autore	McCuan John
Titolo	The stability of cylindrical pendant drops // John McCuan
Pubbl/distr/stampa	Providence, Rhode Island : , : American Society of Civil Engineers, , 2017 ©2017
ISBN	1-4704-4202-7
Descrizione fisica	1 online resource (115 pages) : illustrations, tables
Collana	Memoirs of the American Mathematical Society, , 1947-6221 ; ; Volume 250, Number 1189
Disciplina	530.4/27
Soggetti	Drops Spheroidal state Fluid mechanics Stability Liquids
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Normalization, stability condition, and elementary properties -- One Parameter Families; Definition of $s_{[2]}$ -- Stability -- Infinitely long drops -- Zero gravity and soap bubbles -- Open problems -- Appendix 1: Explicit formulas -- Appendix 2: Sturm-Liouville Theory -- Appendix 3: Elliptic integrals -- Acknowledgement -- Bibliography.