

1. Record Nr.	UNINA9910254202803321
Titolo	Experimental Methods of Shock Wave Research [[electronic resource] /] / edited by Ozer Igra, Friedrich Seiler
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-23745-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (480 p.)
Collana	Shock Wave Science and Technology Reference Library ; ; 9
Disciplina	620
Soggetti	Fluid mechanics Fluids Vibration Dynamical systems Dynamics Thermodynamics Aerospace engineering Astronautics Engineering Fluid Dynamics Fluid- and Aerodynamics Vibration, Dynamical Systems, Control Aerospace Technology and Astronautics
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.
Nota di contenuto	Shock Wave Generation in Gases -- Shock Tunnels -- Gun Tunnel -- Expansion Tubes.
Sommario/riassunto	This comprehensive and carefully edited volume presents a variety of experimental methods used in Shock Waves research. In 14 self contained chapters this 9th volume of the "Shock Wave Science and Technology Reference Library" presents the experimental methods used in Shock Tubes, Shock Tunnels and Expansion Tubes facilities. Also described is their set-up and operation. The uses of an arc heated wind tunnel and a gun tunnel are also contained in this volume. Whenever possible, in addition to the technical description some typical scientific

results obtained using such facilities are described. Additionally, this authoritative book includes techniques for measuring physical properties of blast waves and laser generated shock waves. Information about active shock wave laboratories at different locations around the world that are not described in the chapters herein is given in the Appendix, making this book useful for every researcher involved in shock/blast wave phenomena.

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