1.

Record Nr.	UNISA990000390080203316
Autore	Braha, Dan
Titolo	A mathematical theory of design: foundations, algoritms and applications / Dan Braha, Oded Maimon
Pubbl/distr/stampa	Boston : Kluwer Academic Publishers, copyr. 1998
ISBN	0-7923-5079-0
Descrizione fisica	XXII, 680 p. : ill. ; 20 cm
Collana	Applied optimization ; 17
Altri autori (Persone)	Maimon, Oded
Disciplina	620.004 2
Collocazione	620.004 2 BRA
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. | | |
|---|---|
| Record Nr. | UNINA9910219647103321 |
| Titolo | The Allocation of Publicly-Funded Biomedical Research |
| Pubbl/distr/stampa | National Bureau of Economic Research
Cambridge, Mass |
| Lingua di pubblicazione | Francese |
| Formato | Materiale a stampa |
| Livello bibliografico | Periodico |

3. | | |
|---|---|
| Record Nr. | UNINA9910821359303321 |
| Autore | Fiedler Thomas |
| Titolo | Numerical and experimental investigation of hollow sphere structures in sandwich panels / / Thomas Fiedler |
| Pubbl/distr/stampa | Stafa-Zuerich ; ; Enfield, New Hampshire : , : Trans Tech Publications, , [2008]
©2008 |
| ISBN | 3-03813-238-1 |
| Descrizione fisica | 1 online resource (136 p.) |
| Collana | Materials science foundations, , 1422-3597 ; ; volume 44 |
| Disciplina | 624.1/779 |
| Soggetti | Porous materials
Sandwich construction
Honeycomb structures |
| 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 (pages 118-126). |
| Nota di contenuto | Numerical and Experimental Investigation of Hollow Sphere Structures in Sandwich Panels; Preface; Table of Contents; List of symbols; List of abbreviations; Table of Contents; 1 Introduction; 1.1 Cellular Metals; 1.2 Potential for Cellular Lightweight Structures; 1.3 Sandwich Structures; 1.4 State of the Research; 2 Theoretical Foundation; 2.1 Mechanics; 2.2 Heat Transfer; 3 Methodology; 3.1 Finite Element Method; 3.2 Experimental Testing; 4 Results; 4.1 Hollow Sphere Structures; 4.2 Sandwich Structures; 5 Conclusions; Appendix A; |

Sommario/riassunto

This work addresses the performance of novel metallic hollow-sphere structures (MHSS) in sandwich panels. Numerical finite-element analyses and experimental tests are described. The first part of the book focuses on the various types of metallic hollow-sphere structure. The influence of morphology, topology, joining technology and material composition upon their mechanical properties is investigated numerically. Uniaxial compressive tests, with adhesively-bonded MHSS, are performed in order to confirm the numerical findings. In addition, the effective thermal conductivities of MHSS