

1. Record Nr.	UNINA9910459262403321
Autore	Hilton Peter <1923-2010, >
Titolo	A mathematical tapestry : demonstrating the beautiful unity of mathematics // Peter Hilton, Jean Pedersen ; with illustrations by Sylvie Donmoyer [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2010
ISBN	1-107-20850-5 1-139-63665-0 1-282-72342-1 9786612723421 0-511-77579-2 0-511-77655-1 0-511-77397-8 0-511-77290-4 0-511-77700-0 0-511-77503-2
Descrizione fisica	1 online resource (xv, 290 pages) : digital, PDF file(s)
Disciplina	510
Soggetti	Mathematics Paper work Geometrical models Polyhedra - Models Mathematics - Study and teaching Geometry - Study and teaching Combinatorial geometry - Study and teaching Mathematical recreations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Flexagons : a beginning thread -- Another thread : 1-period paper folding -- More paper folding threads : 2-period paper-folding -- A number-theory thread : folding numbers, a number trick, and some titbits -- The polyhedron thread : building some polyhedra and

defining a regular polyhedron -- Constructing dipyramids and rotating rings from straight strips of triangles -- Continuing the paper-folding and number-theory threads -- A geometry and algebra thread : constructing, and using, Jennifer's puzzle -- A polyhedral geometry thread : constructing braided Platonic solids and other woven polyhedra -- Combinatorial and symmetry threads -- Some golden threads : constructing more dodecahedra -- More combinatorial threads : collapsoids -- Group theory : the faces of the trihexaflexagon -- Combinatorial and group-theoretical threads : extended face planes of the Platonic solids -- A historical thread : involving the Euler characteristic, Descartes' total angular defect, and Polya's dream -- Tying some loose ends together : symmetry, group theory, homologues, and the Polya enumeration theorem -- Returning to the number-theory thread : generalized quasi-order and coach theorems.

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### Sommario/riassunto

This easy-to-read 2010 book demonstrates how a simple geometric idea reveals fascinating connections and results in number theory, the mathematics of polyhedra, combinatorial geometry, and group theory. Using a systematic paper-folding procedure it is possible to construct a regular polygon with any number of sides. This remarkable algorithm has led to interesting proofs of certain results in number theory, has been used to answer combinatorial questions involving partitions of space, and has enabled the authors to obtain the formula for the volume of a regular tetrahedron in around three steps, using nothing more complicated than basic arithmetic and the most elementary plane geometry. All of these ideas, and more, reveal the beauty of mathematics and the interconnectedness of its various branches. Detailed instructions, including clear illustrations, enable the reader to gain hands-on experience constructing these models and to discover for themselves the patterns and relationships they unearth.

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2. Record Nr.	UNISALENTO991000085949707536
Titolo	Multiscale methods in science and engineering / Bjorn Engquist, Per Lotstedt, Olof Runborg, editors
Pubbl/distr/stampa	Berlin ; New York : Springer, 2005
ISBN	3540253351
Descrizione fisica	xi, 289 p. : ill. ; 24 cm.
Collana	Lecture notes in computational science and engineering, 1439-7358 ; 44
Altri autori (Persone)	Engquist, Bjorn, 1945-author Lotstedt, Perauthor Runborg, Olofauthor
Altri autori (Convegni)	Multiscale Methods in Science and Engineering (2004 : Uppsala, Sweden)
Disciplina	518.25
Soggetti	Finite element method Homogenization (Differential equations) Differential equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	The papers presented in the conference, Multiscale Methods in Science and Engineering, which was held in Uppsala, Sweden on January 26-28, 2004
Nota di bibliografia	Includes bibliographical references

3. Record Nr.	UNINA9910783728203321
Autore	Buckley John (John D.)
Titolo	Air power in the age of total war // John Buckley
Pubbl/distr/stampa	Bloomington, Ind. : , : Indiana University Press, , 1999
ISBN	1-135-36275-0 1-135-36276-9 1-280-42871-6 9786610428717 0-203-00722-0
Descrizione fisica	1 online resource (273 p.)
Collana	Warfare and History
Disciplina	358.4 358.400904
Soggetti	Aeronautics, Military Air power History Air Forces Military & Naval Science Law, Politics & Government
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 246-250) and index.
Nota di contenuto	Preliminaries; Contents; List of tables; Acknowledgements; Glossary; 1 Air power in the age of total war; 2 The birth of air power; 3 The First World War 1914 18; 4 The development of air power doctrine and theory 1918 39; 5 Global air power 1918 39; 6 The war in Europe 1939 45; 7 The war in the Far East 1937 45; 8 Air power and the post war world; 9 Conclusions; Notes; Select bibliography; Index
Sommario/riassunto	Warfare in the first half of the 20th century was fundamentally and irrevocably altered by the birth and subsequent development of air power. This work assesses the role of air power in changing the face of battle on land and sea. Utilizing late-1990s research, the author demonstrates that the phenomenon of air power was both a cause and a crucial accelerating factor contributing to the theory and practice of total war. For instance, the expansion of warfare to the homefront was

a direct result of bombing and indirectly due to the extent of national economic mobilization required to support fi

4. Record Nr.	UNINA9910954199003321
Autore	Numan ibn Muhammad Abu Hanifah -974
Titolo	The Epistle of the eloquent clarification concerning the refutation of Ibn Qutayba // al-Qadi al-Nu'man b. Muhammad ; critical edition with an introduction by Avraham Hakim
Pubbl/distr/stampa	Leiden ; ; Boston : , : Brill , 2012
ISBN	9786613675576 9781280698613 1280698616 9789004216662 9004216669
Edizione	[1st ed.]
Descrizione fisica	1 online resource (216 pages)
Collana	Islamic history and civilization, , 0929-2403 ; ; v. 90
Altri autori (Persone)	HakimAvraham
Disciplina	340.5/9
Soggetti	Islamic law Ismailites Islam - Doctrines Pillars of Islam
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 and index.
Nota di contenuto	Preliminary Material / Avraham Hakim -- Introduction / Avraham Hakim -- Abbreviations and Bibliography / Avraham Hakim -- Arabic Text with References and Index / Avraham Hakim.
Sommario/riassunto	This is an edition of an early Shiite/Fatimid Arabic epistle that includes a controversy pertaining to several issues on Islamic law. Al-Qadi al-Nu'man (d. 363/974), the most famous jurist of the early Fatimid period refutes the illustrious Ibn Qutayba (d. 276/889). In his book Adab al-Katib, Ibn Qutayba claimed that it was enough for civil servants (kuttab) to memorize a few legal formulas in order to be able to effectively do their work without the need of long dissertations on law from jurists. In the introduction to his epistle, al-Nu'man claims that

without these dissertations the civil servants would not be able to apply the law correctly. Following this, al-Nu'man launches lengthy dissertations on each one of the succinct formulas listed by Ibn Qutayba. The main argument of al-Nu'man is that the only lawgivers in Islam are the prophet Muhammad and the Imams descendents of Ali (until the seventh Imam).

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