

1. Record Nr.	UNINA9910739450203321
Autore	Scott Robert B
Titolo	Problems and Solutions on Vector Spaces for Physicists : From Part I in Mathematical Physics—A Modern Introduction to Its Foundations // by Robert B. Scott
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031312182 303131218X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (XV, 178 p. 2 illus.)
Disciplina	530.15 530.151252
Soggetti	Mathematical physics Mathematics Mathematical Methods in Physics Theoretical, Mathematical and Computational Physics Applications of Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Mathematical Preliminaries -- Vectors and Linear Maps -- Algebras -- Operator Algebra -- Matrices -- Spectral Decomposition.
Sommario/riassunto	This book offers supporting material for the comprehensive textbook Mathematical Physics—A Modern Introduction to Its Foundations authored by Sadri Hassani. The book covers mathematical preliminaries and all of Part I in Hassani's textbook. The subjects covered here include the key topics necessary for physicists to form a solid mathematical foundation: vectors and linear maps, algebras, operators, matrices, and spectral decomposition. In particular, the vector space concept is a central unifying theme in later chapters of Hassani's textbook. Detailed solutions are provided to one third of the end-of-chapter exercises in the first six chapters of his text. The present volume helps upper-undergraduate and early postgraduate physics students deepen their understanding of the mathematics that they encounter in physics, learn physics more efficiently, and use

mathematics with more confidence and creativity. The content is thus presented rigorously but remains accessible to physics students. New exercises are also proposed, some with solutions, some without, so that the total number of unsolved exercises remains unchanged. They are chosen to help explain difficult concepts, amplify key points in Hassani's textbook, or make further connections with applications in physics. Taken together with Hassani's work, the two form a self-contained set and the solutions make detailed reference to Hassani's text. The solutions also refer to other mathematics and physics textbooks, providing entry points to further literature that finds a useful place in the physicist's personal library.

2. Record Nr.	UNINA9910969916103321
Titolo	Class and stratification analysis // edited by Gunn Elisabeth Birkelund
Pubbl/distr/stampa	Bingley, : Emerald, 2013
ISBN	9781781905388 178190538X 9781299050419 1299050417
Edizione	[1st ed.]
Descrizione fisica	1 online resource (400 p.)
Collana	Comparative social research, , 0195-6310 ; ; v. 30
Altri autori (Persone)	BirkelundGunn Elisabeth
Disciplina	305.5
Soggetti	Social Science - Research Social Science - General Social classes Social research & statistics Social classes - Research Social stratification - Research
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.
Nota di contenuto	Introduction / Gunn Elisabeth Birkelund -- Class, occupation, wages, and skills : the iron law of labor market inequality / Carl le Grand, Michael Tåhlin -- Educational choices and social interactions : a formal

model and a computational test / Gianluca Manzo -- Occupational standing and occupational stratification by cognitive ability / Min-Hsiung Huang -- Analysing intergenerational transmissions : from social mobility to social reproduction / Steffen Hillmert -- Inching up : the labour market position of the second-generation immigrants in Britain and the United States (1990-2000) / Yaojun Li -- Lifestyles and social stratification : an explorative study of France and Norway / Gunn Elisabeth Birkelund, Yannick Lemel -- From abstract to concrete : the practical relevance of parents' economic and cultural capital for persistence in higher education / Liza Reisel -- Completion of upper secondary education : what mechanisms are at stake? / Martin D. Munk -- Identifying and explaining hidden disadvantage within the non-manual group in higher education access / Delma Byrne, Selina McCoy -- Measuring social inequality in educational attainment / Ottar Hellevik -- Reproduction of economic inequalities : are the figures for the United States and United Kingdom too high? / Gary N. Marks -- The international standard classification of education 2011 / Silke L. Schneider.

Sommario/riassunto

This volume of Comparative Social Research emphasizes unsolved issues and new developments within class and stratification analysis, discussing both theoretical and methodological innovations and revisions.
