

1. Record Nr.	UNISA996309139103316
Autore	Crippa Gianluca
Titolo	Transport, Fluids, and Mixing // Gianluca Crippa, Anna Mazzucato
Pubbl/distr/stampa	Warsaw ; ; Berlin : , : De Gruyter Open Poland, , [2020] ©2017
ISBN	3-11-057124-2
Descrizione fisica	1 online resource (200 p.)
Disciplina	532/.05
Soggetti	MATHEMATICS / Mathematical Analysis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Contents -- Introduction -- Lectures on Stirring, Mixing and Transport -- New concepts of solutions in fluid dynamics -- Existence, uniqueness, regularity and long time behavior of hydrodynamic evolution equations -- Small Scale Creation in Inviscid Fluids
Sommario/riassunto	The aim of this volume is to present the state of the art in the mathematical analysis of transport and mixing phenomena in fluids and associated problems. It supplements current literature on the subject with a unique blend of contributions that touch upon both theoretical as well as modeling questions and showcase a variety of techniques, from the analysis of partial differential equations, to harmonic analysis, to computational methods. The volume contains the expanded notes from lectures by leading experts in the field at the Summer School "Transport, Fluids, and Mixing" held in Levico Terme, Italy, July 19-24, 2015.