

1. Record Nr.	UNINA9910319360503321
Autore	Aenesidemus : Gnosius
Titolo	Testimonia / Aenesidemus of Cnossus ; edited with introduction and commentary by Roberto Polito
Pubbl/distr/stampa	Cambridge : Cambridge University press, 2014
ISBN	9780521190251
Descrizione fisica	vii, 395 p. ; 23 cm
Collana	Cambridge classical texts and commentaries ; 52
Disciplina	186.1
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Collocazione	P2B 600 C.C.T.C. AEN. GN. 200A 2014
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2. Record Nr.	UNINA9910808468603321
Autore	Jesenko Martin
Titolo	Commutability of Gamma-limits in problems with multiple scales // Martin Jesenko
Pubbl/distr/stampa	Berlin : , : Logos Berlin, , [2017] ©2017
ISBN	3-8325-9201-6
Descrizione fisica	1 online resource (145 pages) : illustrations
Collana	Augsburger Schriften zur Mathematik, Physik und Informatik ; ; Band 33
Disciplina	531.01515353
Soggetti	Homogenization (Differential equations)
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Sommario/riassunto	<p>Long description: In the calculus of variations, the goal is to explore extrema of a given integral functional. From origins of the problem, it might be expected that the functional can be adequately simplified by neglecting some small quantities. A way to rigorously justify such an approximation is the Gamma-convergence that ensures convergence of corresponding (global) extrema. The main motivation of this work is to investigate properties of doubly indexed integral functionals that Gamma-converge for one index fixed. In other words, for two possible approximations we would like to determine whether we may perform them consecutively and if they commute. Our examples are taken from material science with homogenization being one of these two processes. In the first part we are considering a setting related to the elastic regime. However, our assumptions are fairly general and allow for applications in different areas. The second part is devoted to problems in the Hencky plasticity. They are considerably different due to special growth properties of the density.</p>