



DEPARTMENT OF MATHEMATICAL SCIENCES

NFMV016 Introduction to homogenization theory, 7.5 credits

Introduktion till homogeniseringsteori, 7,5 högskolepoäng

Third-cycle level / Forskarnivå

Reading and reference list for NFMV016

This reading and reference list was confirmed by Department of Mathematical Sciences 2021-02-15, and is valid from Spring semester 2021.

The reading and reference list is available on the next page.

Suggested reading to “Introduction to Homogenization”, NFMV016 7.5 hp

Selected chapters from

1. Cioranescu, D., and Donato, P., An Introduction to Homogenization. Vol. 17. Oxford: Oxford University Press, 1999.
2. Berlyand, L. and Rybalko, V., Getting Acquainted with Homogenization and Multiscale. Springer International Publishing, 2018.
3. Checkin, G., A. Piatnitski, and A. Shamaev. “Homogenization: Methods and Applications, Translations of Mathematical Monographs 234.” Amer. Math. Soc., Providence (2007).
4. Allaire, Grégoire. “Homogenization and two-scale convergence.” SIAM Journal on Mathematical Analysis 23.6 (1992): 1482-1518.