



Faculty of Health, Science and Technology
Mathematics

Reading List

Foundations of Mathematical Design Optimization

Valid from autumn semester 2023

Course Code: 7MAT009
Course Title: Foundations of Mathematical Design Optimization
Grunderna för matematisk konstruktionsoptimering
Subject: Mathematics
Credits: 7.5 ECTS
Degree Level: Doctoral

Reading List

- Martin P. Bendsøe and Ole Sigmund. Topology Optimization: Theory, Methods, and Applications, 2002. ISBN: 978-3-540-42992-0
- Grégoire Allaire. Shape Optimization by the Homogenization Method, 2001. ISBN: 978-0-387-95298-7
- Selected research articles and books provided by the course responsible

Approval

Approved by the Faculty of Health, Science and Technology, 8 November 2023.