

Week 7 February 15-19: Stochastic Gradient Descent

Morten Hjorth-Jensen Email morten.hjorth-jensen@fys.uio.no^{1,2}

¹Department of Physics and Center for Computing in Science Education, University of Oslo, Oslo, Norway

²Department of Physics and Astronomy and Facility for Rare Ion Beams, Michigan State University, East Lansing, Michigan, USA

Dec 14, 2020

Overview of week 7, February 15-19

Topics.

- Gradient Descent methods, Stochastic gradient descent
- Conjugate Gradient Descent

Teaching Material, videos and written material.

- Overview video
- Lecture notes and reading assignments
- Recommended background literature