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Optimization landscapes - a gentle multi-disciplinary introduction to optimization

Wednesday, October 30, 2019 9:10 AM (1 hour)

In this lecture, I will give an introduction to the field of continuous optimization. I will emphasize instances of optimization problems that appear in biology and physics through the concept of optimization landscapes. I will review sampling-based approaches as well as gradient-based methods and focus on concepts rather than derivations of specific algorithms. The lecture is intended to set the stage for the latter focused talks, and will provide links to other topics covered in the FWAM conference.

Presenter: MUELLER, Christian L. (CCM / LMU)

Session Classification: Optimization Introductory Lecture 1