Transceiver Design for Large-Scale Systems

Lucas N. Ribeiro

Universidade Federal do Ceará, Fortaleza

August 6th, 2019

Introduction I

► *Sometimes* more efficient <u>than</u> **Newton's** method because it does not require 2nd order derivatives

$$x^2 = \sqrt{\nabla f^\mathsf{T} u} \tag{1}$$

$$\boldsymbol{H}_u = \boldsymbol{A}_r \boldsymbol{\Gamma} \boldsymbol{A}_t^\mathsf{H} = \boldsymbol{U} \boldsymbol{\Sigma} \boldsymbol{V}^\mathsf{H} \tag{2}$$

$$\mathcal{X} = \mathcal{Y} \times_1 \boldsymbol{U}^\mathsf{T} \tag{3}$$

Title

Qu'est-ce que tu vois ici? Est-ce sympa?