Week02 – multi-variate optimization & root-finding algorithms

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In week 2, we will discuss *multi-variate optimization* (including Lagrange multipliers) and *root finding algorithms*.

The homework assignment due on `gradescope` this week, on Friday 2024-01-29, is:

- **[problem set 1]** [pdf]

There are three associated `jupyter notebooks`.

- **multi-variate optimization** [view] [via colab] [download]

- **single-variable optimization** [view] [via colab] [download]

- **optimization & derivatives** [view] [via colab] [download]