Homework #6

- **Homework (Due date : November 15, 2023 4:00 PM)**

  - Implement Gauss-Newton's and LM (Levenberg-Marquardt) for the following models and the given observations:

    - Model 1: $\varphi(a, b, c, d; x, y, z) = ax + by + cz + d$

    - Model 2: $\varphi(a, b, c, d; x, y, z) = \exp(-[(x-a)^2 + (y-b)^2 + (z-c)^2]/d^2)$

    - Observation data is available at the class homepage.

  - You should determine unknown parameters a, b, c, and d in the least square sense.