CEM – Lecture 2 – 6/11

For convergence tests, put “h” on the x-axis and the error on the y-axis in a logarithmic scale (semi-log scheme)

Machine epsilon – important concept: 1 + epsilon > 1. For example, in PIC codes, if we don’t use normalized units, we cannot accumulate charge in the grid points if the electron charge < machine epsilon – charge loss!!! Danger!