

## Problems for Tutorial-03: Curve Fitting

1. Fit the data present in the file `Tut3Problem.csv` to the function

$$\mathcal{G} = (K + \omega \cos(t)) \sin(t),$$

where  $K$  and  $\omega$  are unknown. The first column in `Tut3Problem.csv` is  $t$  and the second column is the measured data. (Use least squares fitting).

2. Plot the measured data and fitted data versus  $t$ .