# FAULTS & SIMPLE PARTITIONING

## OBJECTIVES

- Review fault detection based on case studies
- Design solutions for a simple parallel partitioning problem

**Note:** Tutorials are not assessed. Nevertheless, please attempt the questions to improve your unit comprehension in preparation for the labs, assignments, and final assessments.

## SUPPLEMENTARY INFORMATION FOR QUESTION 3

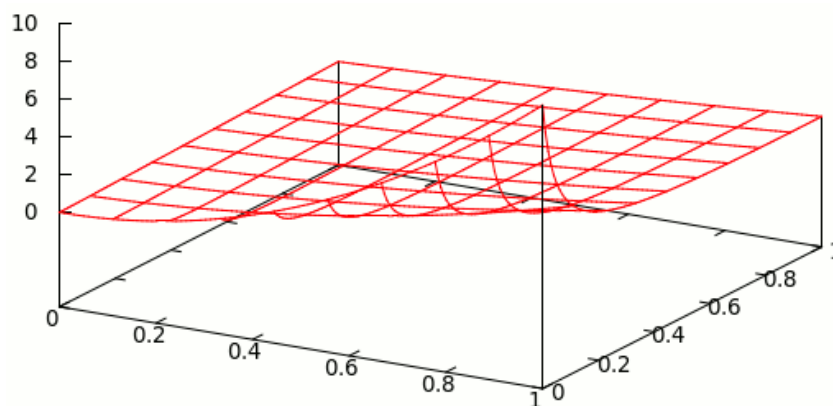$$volume\_of\_a\_column = stepsize^2 f(x + \frac{stepsize}{2}, y + \frac{stepsize}{2})$$



Figure 1-**3D plot of** $f(x, y) = \dfrac{(x+y)^2}{2y + 0.1}$