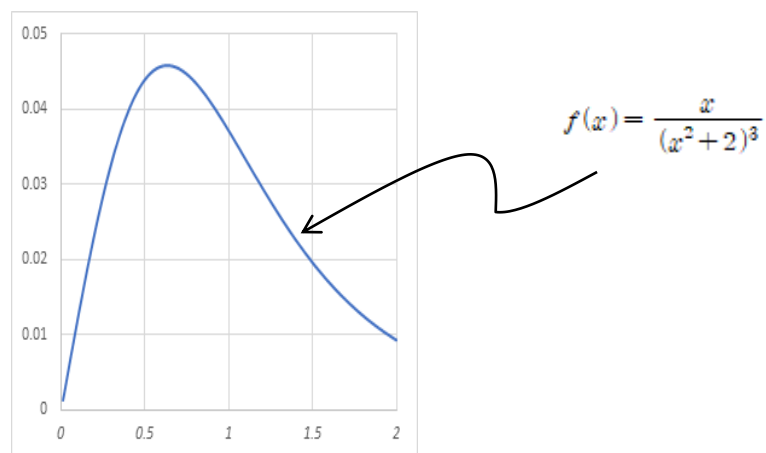


Homework Assignment 1 – due on Monday, September 18 (Midnight)

Description of Assignment:

You are to write a C program(*area.c*) which calculates the area (using the trapezoidal rule) under the curve of a graph of $f(x)$ shown in the following integral and figure.

$$\int_0^2 f(x) dx = \int_0^2 \frac{x}{(x^2 + 2)^3} dx$$



- Use a command-line argument for the number of loops. For example, “*area 1000*” means that the program loops 1000 times.
- Your program should print **the calculated area**, **elapsed milliseconds** and **GFLOPS**.

Turnin the assignment:

After done your assignment, type **turnin** in your current working directory. You can retype the command at any time before the due date.