Homework on Numerical Integration

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Tasks to be done

- Consider the function

$$\text{humptydumpty}(x) = \frac{1}{(x-0.1)^2 + 0.03} + \frac{1}{(x-0.9)^2 + 0.07} - 8$$

- Plot the given function with MATLAB

- Numerically integrate this function from -0.5 to +1.5 in MATLAB

- Perform the same numerical integration according to Simpson's rule. You can use either C or MATLAB.

- Compare and discuss your results.