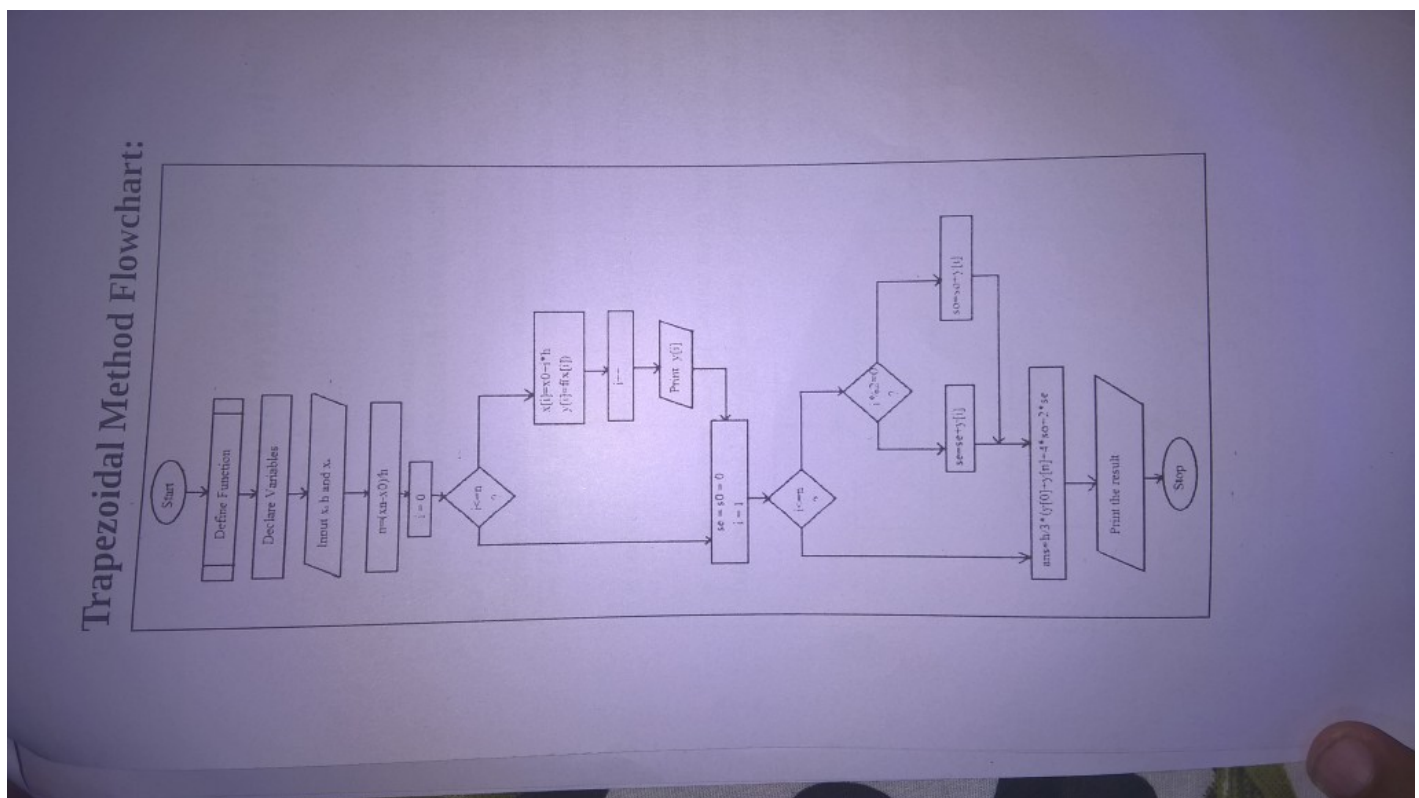


- Start
- Define and Declare the function
- Input initial boundary value, final boundary value and length of interval
- Calculate number of strips, $n = (\text{final boundary value} - \text{initial boundary value}) / \text{length of interval}$
- Perform the following operations in loop
 - $x[i] = x_0 + i \cdot h$
 - $y[i] = f(x[i])$ print $y[i]$
- Initialize $se = 0, s_0 = 0$
- Do the following using a loop
 - if $i \% 2 = 0$
 - $s_0 = s_0 + y[i]$ Otherwise
 - $se = se + y[i]$
- $ans = h/3 * (y[0] + y[n] + 4 * s_0 + 2 * se)$
- print the ans
- stop

Flow Chart:



Manas Sharma

I'm a physicist specializing in computational material science with a PhD in Physics from Friedrich-Schiller University Jena, Germany. I write efficient codes for simulating light-matter interactions at atomic scales. I like to develop Physics, DFT, and Machine Learning related apps and software from time

to time. Can code in most of the popular languages. I like to share my knowledge in Physics and applications using this Blog and a YouTube channel.

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