

```

% Do not edit this part
% It reads the matrix from the excel file and creates your x and y arrays
% a = readmatrix('problem1.mat');
% x = a(:,1);
% y = a(:,2);
% Write your code for the trapezoidal rule for non-uniform data here
%-----

% kept getting an error from above code so I had to comment out but i did
% not edit any of the code above besides commenting them out

% I SIMPLY USED MATLAB'S OPEN FILE OPTION OF IMPORTING FILES THROUGH THE
% INTERFACE TO OBTAIN THE DATA NEEDED

for i = 1:1250

    dI(i) = (x(i+1)-x(i)).*((y(i+1)+y(i))./2);

end

Itotal = sum(dI);

%-----
%At the end of your code, you should write out the total value of the
%integral, then copy/paste this solution into your submission document.
disp(Itotal)
disp(char(java.lang.System.getProperty('user.name'))) % leave this line, proves your work
disp(char(java.net.InetAddress.getLocalHost.getHostName)) % leave this line, proves your work

```

333.0926

alexpadrpm  
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