

Simulation and Scientific Computing 2

Assignment 1: Multigrid Methods

Team Members :

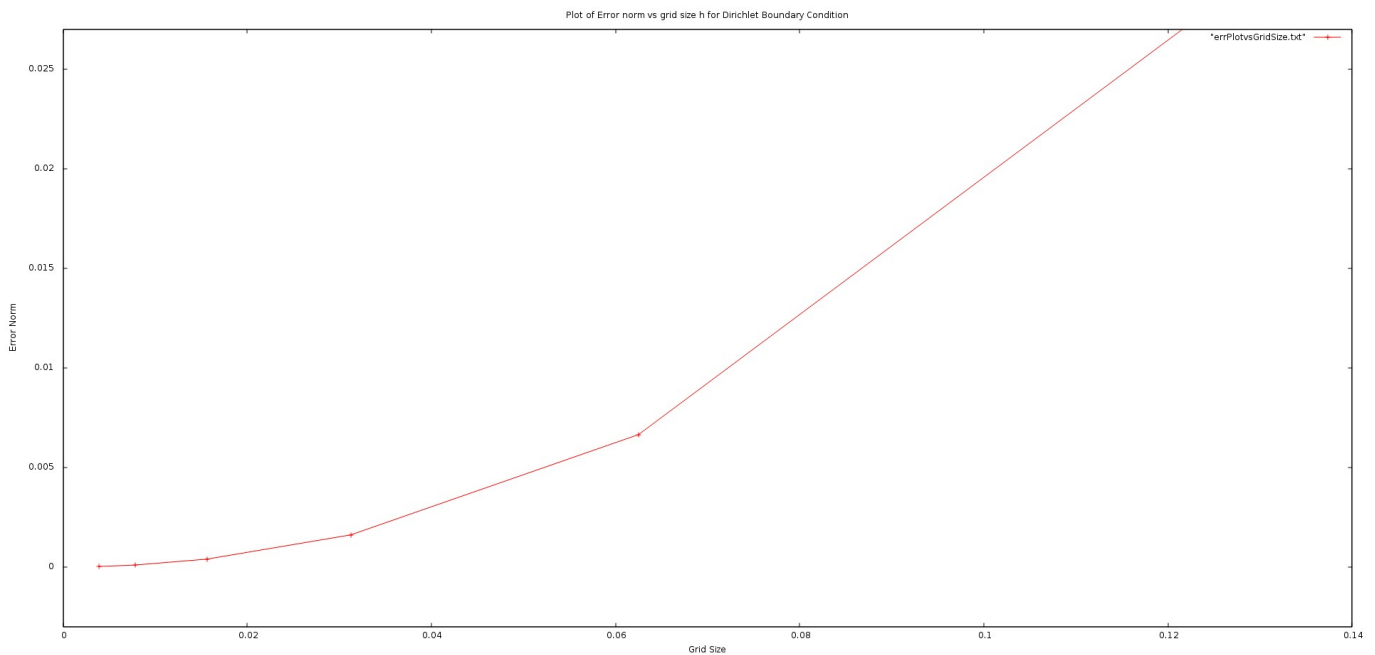
Paras Kumar, Iniyan Kalaimani, Raju Ram

1) Dirichlet Boundary Conditions:

Following table contains error norm with varying grid size.

S No	Grid Size (h)	Error Norm
1	0.125	0.0281737
2	0.0625	0.00664675
3	0.03125	0.00161231
4	0.015625	0.000396936
5	0.0078125	9.84684e-05
6	0.00390625	2.45215e-05

Following graph contains error norm with varying grid size.



Computed solution for Dirichlet boundary conditions for total number of level 5.

