

README FILE

1. The plots for Finch and Dealii codes were recreated to plot the error against the number of nodes in the mesh and the average area of the elements in the mesh.
2. Codes have been created to calculate the average area of an element from the gmsh file.
3. No differences in error behavior were observed for the case of the comparison between triangle unstructured and regular quadrilateral element based meshes.
4. Other comparisons between triangular element types is to be conducted but no major differences are foreseen.
5. The filenames with "NumNodes and "Area" in their names are error comparisons when the error was plotted against the number of nodes and the average area of the element respectively.