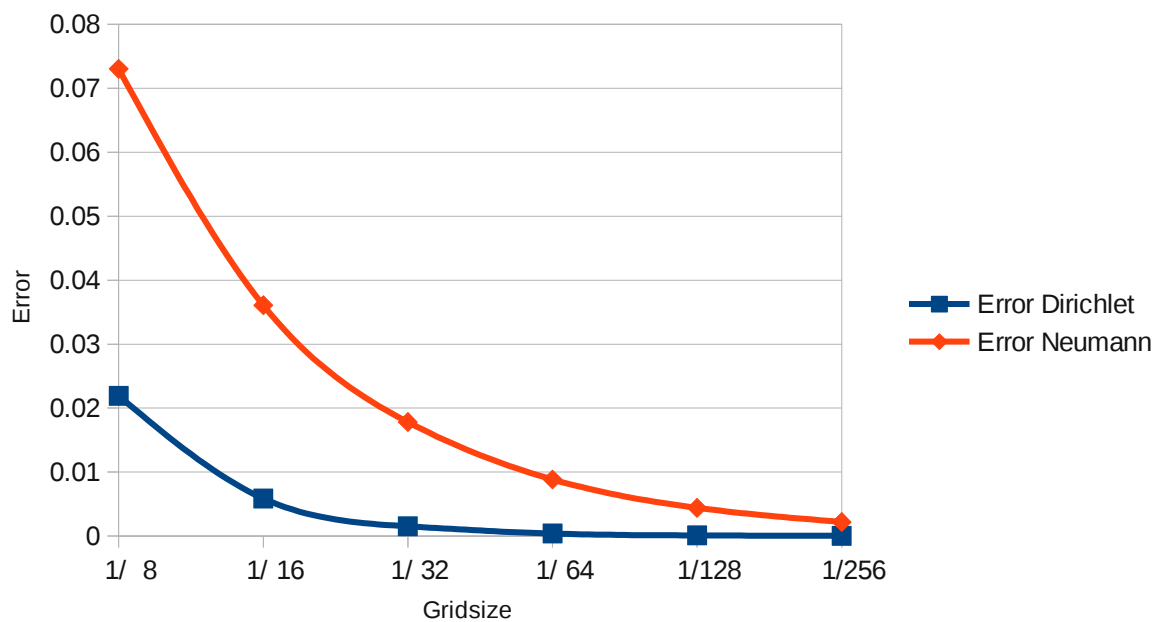


Ex01 group15
Interpretation

h	Error Dirichlet	Error Neumann
1/ 8	0.0219129	0.0730223
1/ 16	0.00586478	0.036065
1/ 32	0.00151459	0.0178146
1/ 64	0.000384722	0.00883856
1/128	9.69E-005	0.00440037
1/256	2.43E-005	0.00219526



Error with Neumann conditions is larger as the boundary conditions are calculated with first order differences. In both cases the error decreases with increasing resolution, because a higher resolution leads to a better approximation of the solution.