1000 steps

Stability	D*dt/dx2	Num Cell	L1		L2		L-inf	
OK	0.000625	126	0.002665	4.15487	2.66E-05	17.12029	0.014194	3.194153
OK	0.0025	251	0.000642	4.198039	1.55E-06	17.68043	0.004444	4.255521
OK	0.01	501	0.000153	4.934577	8.79E-08	24.45223	0.001044	4.965666
OK	0.04	1001	3.1E-05	75.66214	3.59E-09	5726.678	0.00021	75.77156
OK	0.16	2001	4.09E-07	0.077789	6.27E-13	0.006063	2.78E-06	0.077934
OK	0.36	3001	5.26E-06	#DIV/0!	1.03E-10	#DIV/0!	3.56E-05	#DIV/0!
Unstable	0.50381604	3550						

2 steps

	Stability=D*dt/dx2	Ncell		L1 ratio		L2		Linf
Unstable	0.64	4001	5.78E-08	0.056633	1.76E-14	0.003216	5.53E-07	0.056791
OK	0.16	2001	3.27E-09	75.29327	5.68E-17	5664.815	3.14E-08	75.28868
OK	0.04	1001	2.47E-07	4.921888	3.22E-13	24.08103	2.36E-06	4.916369
OK	0.01	501	1.21E-06	4.124041	7.74E-12	16.64084	1.16E-05	4.089485
OK	0.0025	251	5E-06	3.793271	1.29E-10	13.27747	4.75E-05	2.259012
OK	0.000625	126	1.9E-05	0	1.71E-09	0	0.000107	0