

Teste inicial do Richardson 4.0 do Martins - 1 Mar 2013

Listagem gerada pelo aplicativo RICHARDSON 4.0

título = Cd, relatório Mach2D_JR_2012-12-05, UDS, Richardson 4.0

Dia = (1/3/2013) Hora = 14:33:50

1 = número da variável, nos arquivos de resultados, a analisar

nome do arquivo de dados principal = Richardson_4p0_Mach2D_JR_2012-12-05_000.in

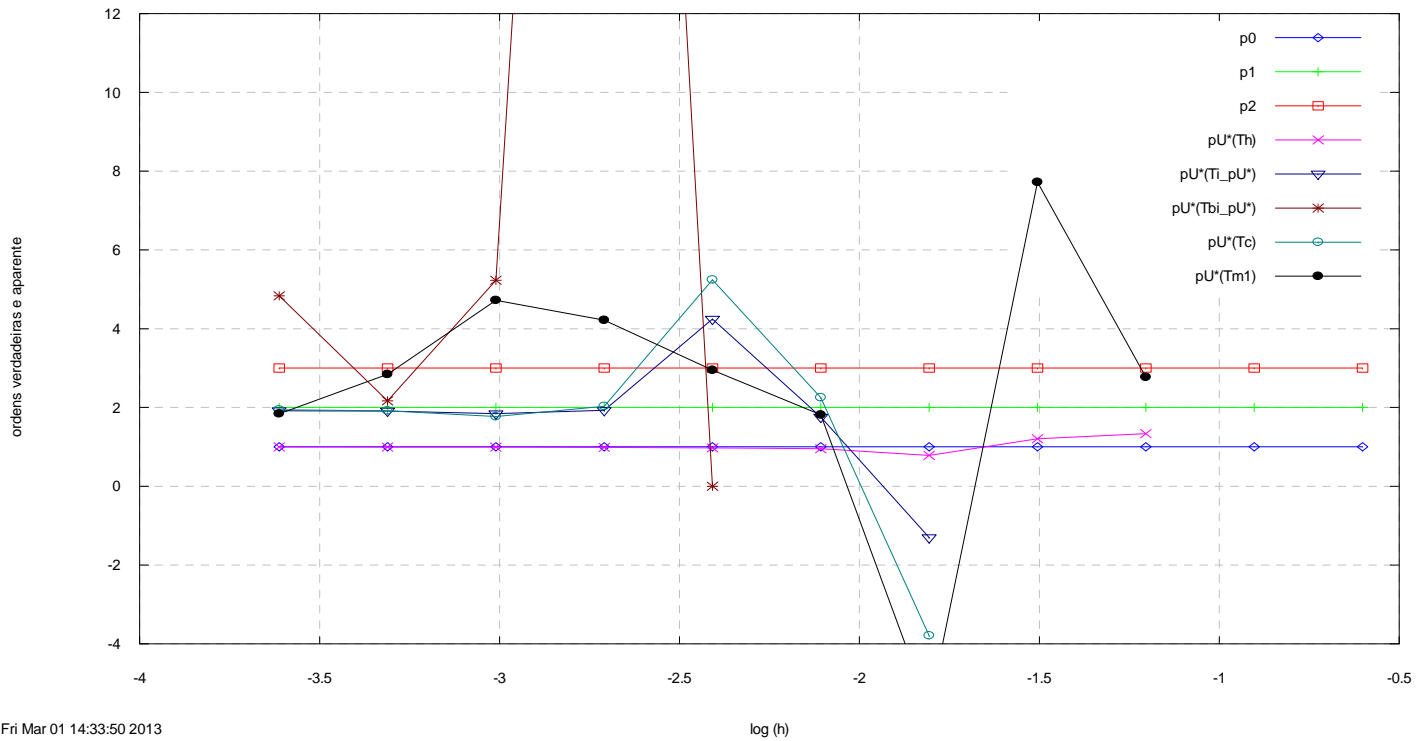
1.00 = ordem assintótica do erro verdadeiro

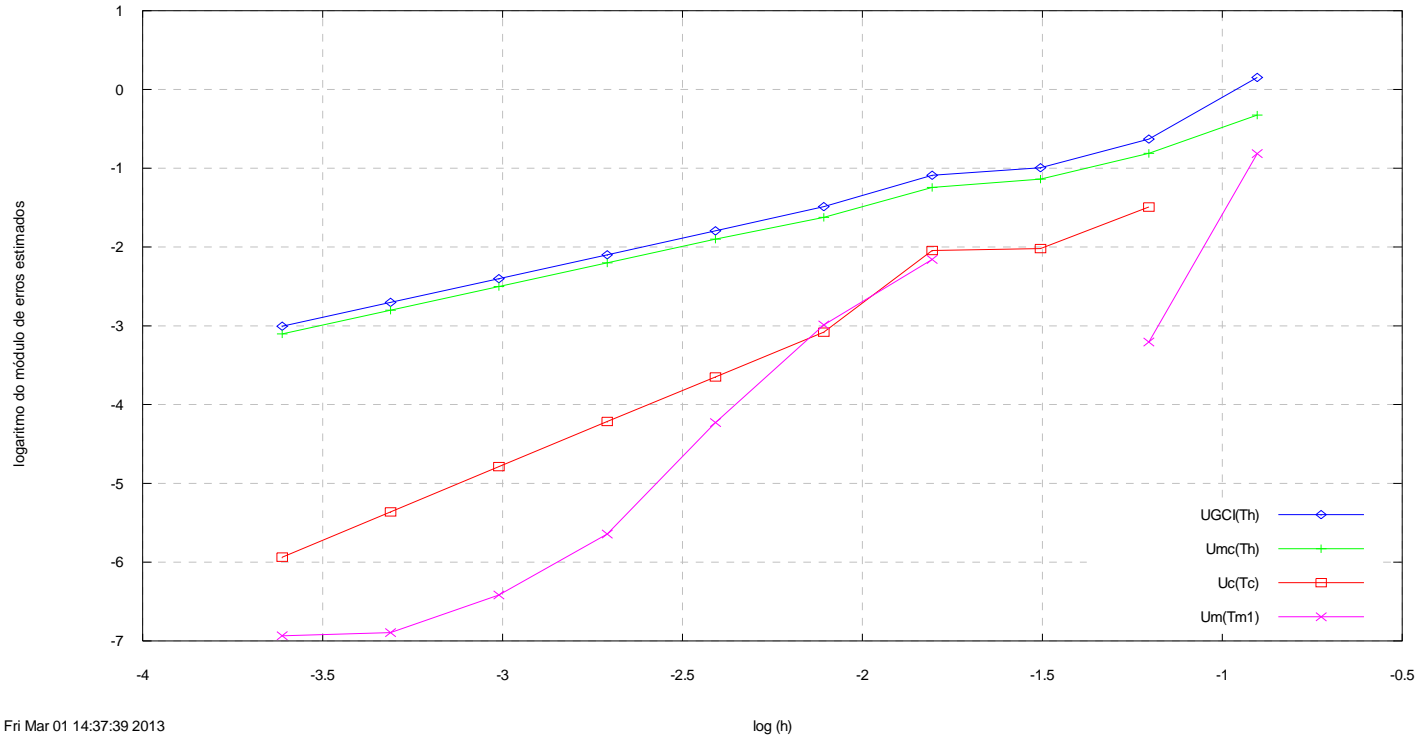
1.00 = variação entre as ordens verdadeiras do erro verdadeiro

11 = número de malhas

O refino de malha (r) é constante

Cd, relatório Mach2D_JR_2012-12-05, UDS, Richardson 4.0 (1/3/2013)





Fri Mar 01 14:37:39 2013

h	log10(h)	r21	arquivos com resultados numéricos:
2.5000000000000000E-01	-6.0206E-01		Mach2D_JR_2012-12-05_001.Richardson_3p0
1.2500000000000000E-01	-9.0309E-01	2.0000E+00	Mach2D_JR_2012-12-05_002.Richardson_3p0
6.2500000000000000E-02	-1.2041E+00	2.0000E+00	Mach2D_JR_2012-12-05_003.Richardson_3p0
3.1250000000000000E-02	-1.5051E+00	2.0000E+00	Mach2D_JR_2012-12-05_004.Richardson_3p0
1.5625000000000000E-02	-1.8062E+00	2.0000E+00	Mach2D_JR_2012-12-05_005.Richardson_3p0
7.8125000000000000E-03	-2.1072E+00	2.0000E+00	Mach2D_JR_2012-12-05_006.Richardson_3p0
3.9062500000000000E-03	-2.4082E+00	2.0000E+00	Mach2D_JR_2012-12-05_007.Richardson_3p0
1.9531250000000000E-03	-2.7093E+00	2.0000E+00	Mach2D_JR_2012-12-05_008.Richardson_3p0
9.7656250000000000E-04	-3.0103E+00	2.0000E+00	Mach2D_JR_2012-12-05_009.Richardson_3p0
4.8828125000000000E-04	-3.3113E+00	2.0000E+00	Mach2D_JR_2012-12-05_010.Richardson_3p0
2.4414062500000000E-04	-3.6124E+00	2.0000E+00	Mach2D_JR_2012-12-05_011.Richardson_3p0

h	pU* (Th)	pU* (Tm1)	pU* (Tc)	pU* (Ti_pU*)	pU* (Tbi_pU*)
2.5000E-01					
1.2500E-01					
6.2500E-02	1.335744227E+00	2.770016654E+00			
3.1250E-02	1.206211852E+00	7.719521768E+00			
1.5625E-02	7.847054952E-01	-5.662701062E+00	-3.791403298E+00	-1.301520047E+00	
7.8125E-03	9.530692002E-01	1.814406193E+00	2.250955508E+00	1.757518039E+00	
3.9062E-03	9.745784968E-01	2.946175598E+00	5.243822182E+00	4.244637961E+00	-9.923240540E-13
1.9531E-03	9.860889548E-01	4.217553248E+00	2.029129135E+00	1.927575460E+00	4.859232195E+01
9.7656E-04	9.925739837E-01	4.722965288E+00	1.769565632E+00	1.841262709E+00	5.230207451E+00
4.8828E-04	9.960449214E-01	2.840972909E+00	1.917431097E+00	1.909420888E+00	2.166423502E+00
2.4414E-04	9.978859969E-01	1.840482678E+00	1.942601475E+00	1.918825211E+00	4.834764716E+00

h	psi (Th)	psi (Tm1)	psi (Tc)	psi (Ti_pU)	psi (Tbi_pU)
2.5000E-01					
1.2500E-01					
6.2500E-02	2.524056539E+00	6.821157874E+00			
3.1250E-02	2.307310002E+00	2.107694219E+02			
1.5625E-02	1.722740612E+00	-1.974045342E-02	-7.222272682E-02	4.056985223E-01	
7.8125E-03	1.935986913E+00	-3.517148363E+00	-4.759979987E+00	-3.381159418E+00	
3.9062E-03	1.965066992E+00	-7.707033159E+00	3.789202096E+01	1.895672661E+01	-1.000000000E+00
1.9531E-03	1.980807874E+00	-1.860415872E+01	4.081583962E+00	3.804153498E+00	-4.243717502E+14
9.7656E-04	1.989731805E+00	-2.640913765E+01	3.409512872E+00	3.583235113E+00	3.753611546E+01
4.8828E-04	1.994524606E+00	7.165030816E+00	3.777498277E+00	3.756582764E+00	-4.489091497E+00
2.4414E-04	1.997071516E+00	3.581298267E+00	3.843981718E+00	3.781150336E+00	2.853705823E+01

h	Th	Tm1	Tc
2.500E-01	1.8370342082509400000000000000000E+00		
1.250E-01	1.3645850346440900000000000000000E+00	8.9213586103724000000000000000000E-01	
6.250E-02	1.1774065121711700000000000000000E+00	1.0229253659185866666666666666666E+00	1.0224092527128798281530652507098E+00
3.125E-02	1.0962823795997300000000000000000E+00	1.0235458995030247619047619047619E+00	1.0246931917984265511199760973246E+00
1.562E-02	1.0491922187088300000000000000000E+00	9.9211128291732368253968253968254E-01	9.9306964079195258967382339320252E-01
7.812E-03	1.0248686240728000000000000000000E+00	1.0010488122274617839221710189452E+00	9.9971327187710663768513897762133E-01
3.906E-03	1.0124906264080400000000000000000E+00	9.9988915336453074449564772145417E-01	9.9988860248544071522796819183667E-01
1.953E-03	1.0062416621216300000000000000000E+00	9.9995148667830220453779683069570E-01	9.9993155899692039366110832790746E-01
9.766E-04	1.0031010557993800000000000000000E+00	9.9994912638488409418158794325483E-01	9.9994415801416669139788395342498E-01
4.883E-04	1.0015264418219700000000000000000E+00	9.9994879696642395526141881095004E-01	9.9994749329490605441952752247146E-01
2.441E-04	1.0007379803346700000000000000000E+00	9.9994870498345141254895462974482E-01	9.9994836095791375456789138580167E-01

h	UGCI (Th)	Umc (Th)	Um (Tm1)	Uc (Tc)
2.5000E-01				
1.2500E-01	1.417348E+00	-4.724492E-01	1.532575E-01	
6.2500E-02	2.339732E-01	-1.544811E-01	6.234918E-04	3.218126E-02
3.1250E-02	1.014052E-01	-7.273648E-02		9.534945E-03
1.5625E-02	8.144374E-02	-5.708094E-02	6.958952E-03	9.032417E-03
7.8125E-03	3.248389E-02	-2.381981E-02	-1.026472E-03	8.317576E-04
3.9062E-03	1.603256E-02	-1.260147E-02	5.915372E-05	2.240263E-04
1.9531E-03	7.964052E-03	-6.290175E-03	-2.274180E-06	6.113884E-05
9.7656E-04	3.966487E-03	-3.151929E-03	-3.828518E-07	1.629146E-05
4.8828E-04	1.979104E-03	-1.577645E-03	-1.276174E-07	4.334550E-06
2.4414E-04	9.884716E-04	-7.892754E-04	-1.164281E-07	1.157889E-06