

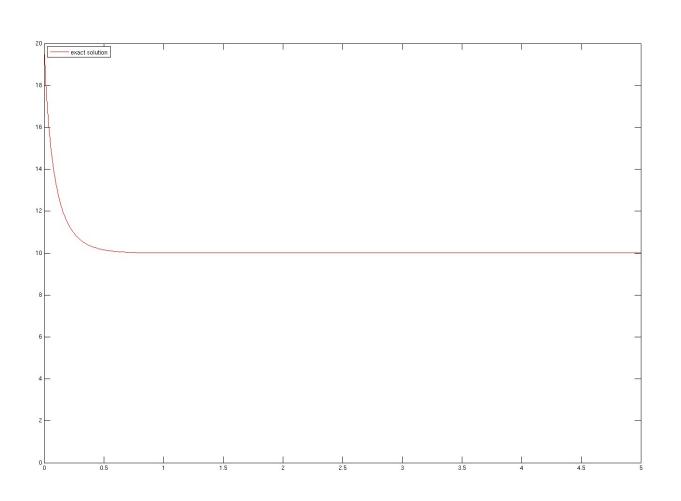


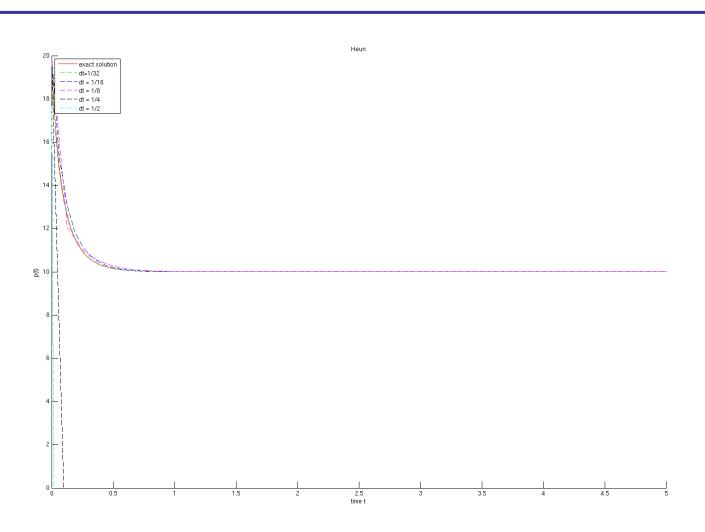


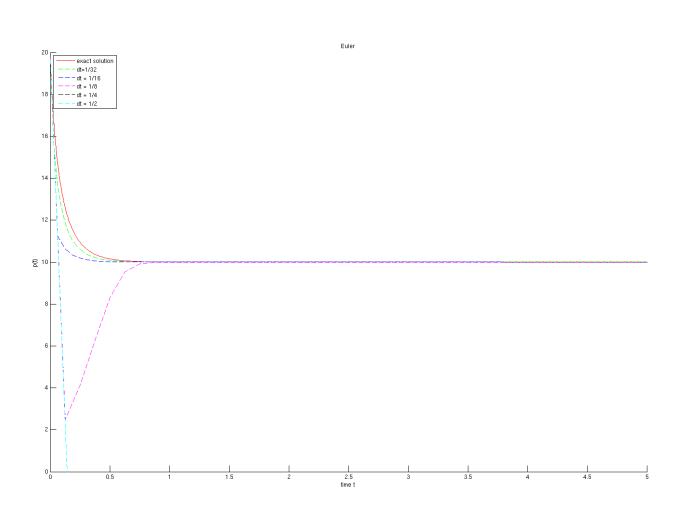
Scientific Computing Lab

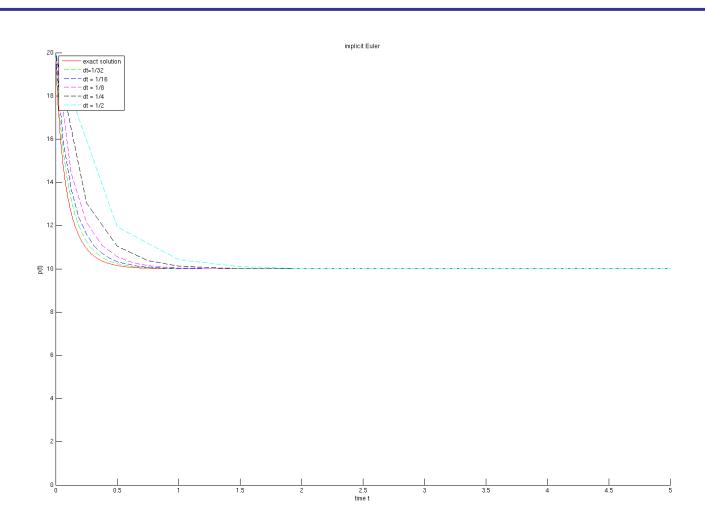
Results Worksheet 2

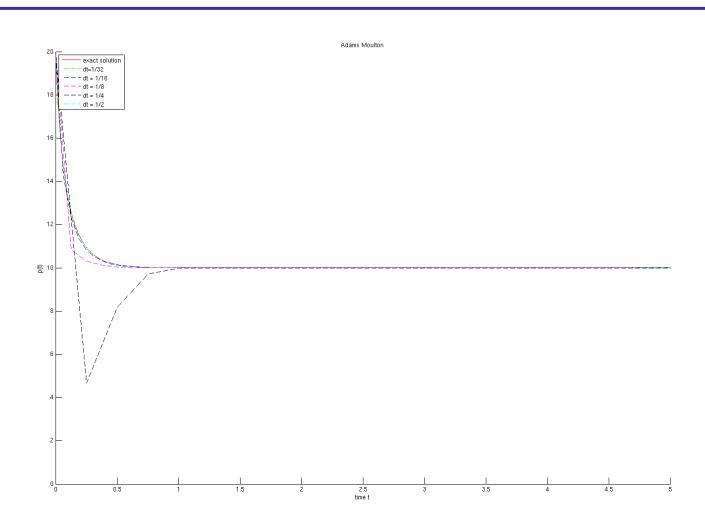
Tobias Neckel

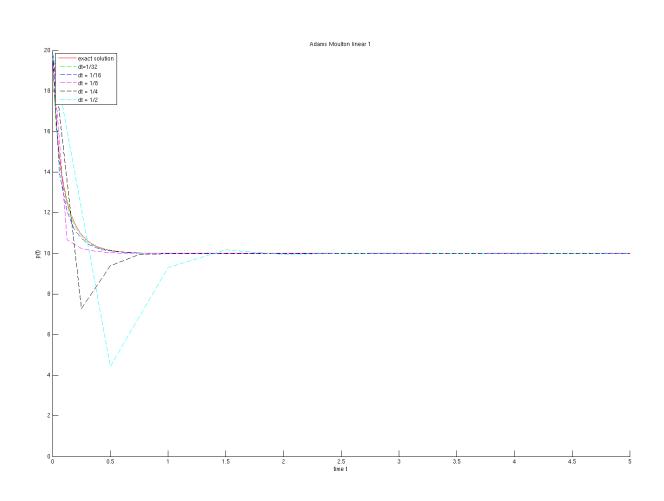


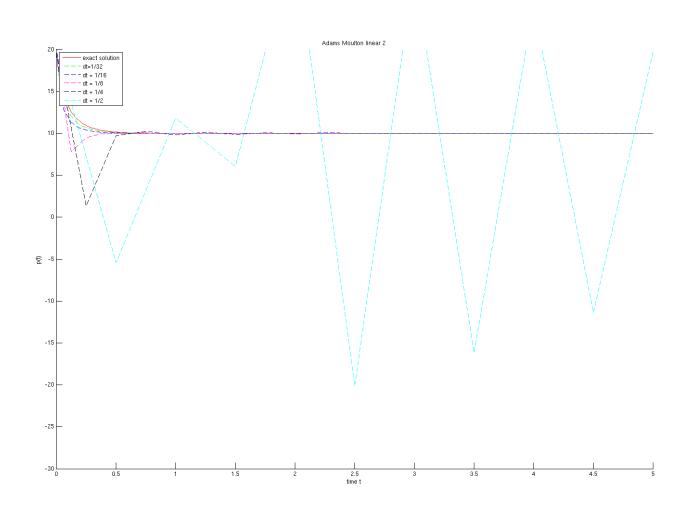


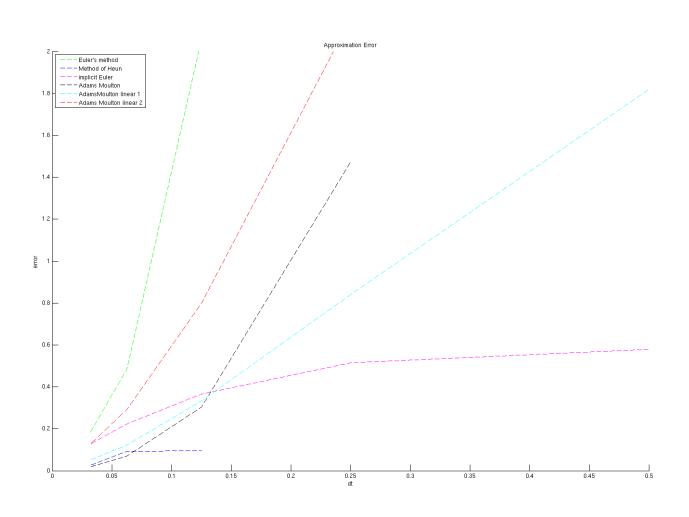












explicit Euler

Heun

implicit Euler

Adams Moulton

Adams Moulton linearisation 1

dt	1/2	1/4	1/8	1/16	1/32
error	1.8196	0.8402	0.3342	0.1237	0.0488
error red.	_	2.17	2.51	2.69	2.53

Adams Moulton linearisation 2

dt	1/2	1/4	1/8	1/16	1/32
error	18.856	2.1543	0.7990	0.2326	0.1220
error red.	_	8.75	2.70	2.73	2.40

dt	Expl. Euler	Heun	Impl. Euler		Adams Moulton I1	
1/2			X	_	X	Ο
1/4			X	X	X	X
1/8	X	X	X	X	X	X
1/16	X	X	X	X	X	X
1/32	X	X	X	X	X	X