

EULER METHOD

n	h	un		$y(1) - un$	$y(1) - un / h$
	10	0.1	7.430083707	0.041027608	0.410276079
	20	0.05	7.400249944	0.011193845	0.223876907
	1000	0.001	7.389061015	0.000004916	0.004916205

MODIFIED EULER METHOD

n	h	un		$y(1) - un$	$y(1) - un / h^2$
	10	0.1	7.304631415	0.084424684	8.44246835
	20	0.05	7.366234842	0.022821257	9.128502802
	1000	0.001	7.389046262	0.000009837	9.83730151

RUNGE-KUTTA FOURTH ORDER METHOD

n	h	un		$y(1) - un$	$y(1) - un / h^3$
	10	0.1	7.388889242	0.000166857	0.016685727
	20	0.05	7.389044767	0.000011332	0.004532622
	1000	0.001	7.389056099	0.000000000	1.37046E-06

ADAM-BASHFORTH METHOD

n	h	un		$y(1) - un$	$y(1) - un / h^3$
	10	0.1	2.486007995	4.903048104	490.3048104
	20	0.05	4.605845655	2.783210444	1113.284178
	1000	0.001	7.327186151	0.061869948	61869.94771