

$$f(x) = xe^x$$

	$f'(2)$		$f''(2)$	
<b>h</b>	<b>Forward DA</b>	<b>Central DA</b>	<b>Forward DA</b>	<b>Central DA</b>
0.50	31.3562	23.7337	56.489	30.4902
0.45	30.2519	23.4319	52.8407	30.3111
0.40	29.1938	23.1635	49.4492	30.1516
0.35	28.1799	22.928	46.2956	30.0113
0.30	27.2084	22.7248	43.3621	29.8901
0.25	26.2772	22.5537	40.6326	29.7878
0.20	25.3846	22.4142	38.0919	29.7043
0.15	24.5289	22.3059	35.7263	29.6394
0.10	23.7084	22.2288	33.5228	29.5932
0.05	22.9217	22.1826	31.4698	29.5655
<b>Exact</b>	22.1671682968	22.1671682968	29.5562243957	29.5562243957
<b>n</b>	1.08578	2.00704	1.14844	2.00447

