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Blatt 4  
Elias Gestrich

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**Aufgabe 4.1:**

	x-Wert	$n$	Approximation	Exaktwert	Fehler
c.	-1	0	$\approx 0.3160$	$\approx 0.2689$	$\approx 17.49\%$
	-1	1	$\approx 0.2937$	$\approx 0.2689$	$\approx 9.219\%$
	-1	2	$\approx 0.2857$	$\approx 0.2689$	$\approx 6.217\%$
	-1	5	$\approx 0.2774$	$\approx 0.2689$	$\approx 3.132\%$
	-1	10	$\approx 0.2735$	$\approx 0.2689$	$\approx 1.711\%$
	-1	50	$\approx 0.2699$	$\approx 0.2689$	$\approx 0.3693\%$
	-1	100	$\approx 0.2694$	$\approx 0.2689$	$\approx 0.1865\%$
	-1	1000	$\approx 0.2690$	$\approx 0.2689$	$\approx 0.01882\%$
	0	0	$\frac{1}{2}$	$\frac{1}{2}$	0%
	1	0	$\approx 0.6840$	$\approx 0.7311$	$\approx 6.437\%$
	1	1	$\approx 0.7063$	$\approx 0.7311$	$\approx 3.392\%$
	1	2	$\approx 0.7143$	$\approx 0.7311$	$\approx 2.287\%$
	1	5	$\approx 0.7226$	$\approx 0.7311$	$\approx 1.152\%$
	1	10	$\approx 0.7265$	$\approx 0.7311$	$\approx 0.6295\%$
	1	50	$\approx 0.7301$	$\approx 0.7311$	$\approx 0.1358\%$
	1	100	$\approx 0.7306$	$\approx 0.7311$	$\approx 0.06861\%$
	1	1000	$\approx 0.7310$	$\approx 0.7311$	$\approx 0.006923\%$