

Function	Input interval	Accuracy (good bits)	ULP* error	% exactly rounded	Monotonic
1/x	[1, 2)	24.02	0.98	87	Yes
1/sqrt(x)	[1, 4)	23.40	1.52	78	Yes
2 ^x	[0, 1)	22.51	1.41	74	Yes
log ₂ x	[1, 2)	22.57	N/A **	N/A	Yes
sin/cos	[0, $\pi/2$)	22.47	N/A	N/A	No

*ULP: unit in the last place. **N/A: not applicable.

FIGURE C.6.1 Special function approximation statistics. For the NVIDIA GeForce 8800 special function unit (SFU).