

# IEEE 754 Float Format in Hexadecimal for the Powers of 2

0.0	00000000	1.0842e-19	20000000	2.0	40000000	3.68935e+19	60000000
1.17549e-38	00800000	2.1684e-19	20800000	4.0	40800000	7.3787e+19	60800000
2.35099e-38	01000000	4.33681e-19	21000000	8.0	41000000	1.47574e+20	61000000
4.70198e-38	01800000	8.67362e-19	21800000	16.0	41800000	2.95148e+20	61800000
9.40395e-38	02000000	1.73472e-18	22000000	32.0	42000000	5.90296e+20	62000000
1.88079e-37	02800000	3.46945e-18	22800000	64.0	42800000	1.18059e+21	62800000
3.76158e-37	03000000	6.93889e-18	23000000	128.0	43000000	2.36118e+21	63000000
7.52316e-37	03800000	1.38778e-17	23800000	256.0	43800000	4.72237e+21	63800000
1.50463e-36	04000000	2.77556e-17	24000000	512.0	44000000	9.44473e+21	64000000
3.00927e-36	04800000	5.55112e-17	24800000	1024.0	44800000	1.88895e+22	64800000
6.01853e-36	05000000	1.11022e-16	25000000	2048.0	45000000	3.77789e+22	65000000
1.20371e-35	05800000	2.22045e-16	25800000	4096.0	45800000	7.55579e+22	65800000
2.40741e-35	06000000	4.44089e-16	26000000	8192.0	46000000	1.51116e+23	66000000
4.81482e-35	06800000	8.88178e-16	26800000	16384.0	46800000	3.02231e+23	66800000
9.62965e-35	07000000	1.77636e-15	27000000	32768.0	47000000	6.04463e+23	67000000
1.92593e-34	07800000	3.55271e-15	27800000	65536.0	47800000	1.20893e+24	67800000
3.85186e-34	08000000	7.10543e-15	28000000	131072.0	48000000	2.41785e+24	68000000
7.70372e-34	08800000	1.42109e-14	28800000	262144.0	48800000	4.8357e+24	68800000
1.54074e-33	09000000	2.84217e-14	29000000	524288.0	49000000	9.67141e+24	69000000
3.08149e-33	09800000	5.68434e-14	29800000	1.04858e+06	49800000	1.93428e+25	69800000
6.16298e-33	0A000000	1.13687e-13	2A000000	2.09715e+06	4A000000	3.86856e+25	6A000000
1.2326e-32	0A800000	2.27374e-13	2A800000	4.1943e+06	4A800000	7.73713e+25	6A800000
2.46519e-32	0B000000	4.54747e-13	2B000000	8.38861e+06	4B000000	1.54743e+26	6B000000
4.93038e-32	0B800000	9.09495e-13	2B800000	1.67772e+07	4B800000	3.09485e+26	6B800000
9.86076e-32	0C000000	1.81899e-12	2C000000	3.35544e+07	4C000000	6.1897e+26	6C000000
1.97215e-31	0C800000	3.63798e-12	2C800000	6.71089e+07	4C800000	1.23794e+27	6C800000
3.9443e-31	0D000000	7.27596e-12	2D000000	1.34218e+08	4D000000	2.47588e+27	6D000000
7.88861e-31	0D800000	1.45519e-11	2D800000	2.68435e+08	4D800000	4.95176e+27	6D800000
1.57772e-30	0E000000	2.91038e-11	2E000000	5.36871e+08	4E000000	9.90352e+27	6E000000
3.15544e-30	0E800000	5.82077e-11	2E800000	1.07374e+09	4E800000	1.9807e+28	6E800000
6.31089e-30	0F000000	1.16415e-10	2F000000	2.14748e+09	4F000000	3.96141e+28	6F000000
1.26218e-29	0F800000	2.32831e-10	2F800000	4.29497e+09	4F800000	7.92282e+28	6F800000
2.52435e-29	10000000	4.65661e-10	30000000	8.58993e+09	50000000	1.58456e+29	70000000
5.04871e-29	10800000	9.31323e-10	30800000	1.71799e+10	50800000	3.16913e+29	70800000
1.00974e-28	11000000	1.86265e-09	31000000	3.43597e+10	51000000	6.33825e+29	71000000
2.01948e-28	11800000	3.72529e-09	31800000	6.87195e+10	51800000	1.26765e+30	71800000
4.03897e-28	12000000	7.45058e-09	32000000	1.37439e+11	52000000	2.5353e+30	72000000
8.07794e-28	12800000	1.49012e-08	32800000	2.74878e+11	52800000	5.0706e+30	72800000
1.61559e-27	13000000	2.98023e-08	33000000	5.49756e+11	53000000	1.01412e+31	73000000
3.23117e-27	13800000	5.96046e-08	33800000	1.09951e+12	53800000	2.02824e+31	73800000
6.46235e-27	14000000	1.19209e-07	34000000	2.19902e+12	54000000	4.05648e+31	74000000
1.29247e-26	14800000	2.38419e-07	34800000	4.39805e+12	54800000	8.11296e+31	74800000
2.58494e-26	15000000	4.76837e-07	35000000	8.79609e+12	55000000	1.62259e+32	75000000
5.16988e-26	15800000	9.53674e-07	35800000	1.75922e+13	55800000	3.24519e+32	75800000
1.03398e-25	16000000	1.90735e-06	36000000	3.51844e+13	56000000	6.49037e+32	76000000
2.06795e-25	16800000	3.8147e-06	36800000	7.03687e+13	56800000	1.29807e+33	76800000
4.1359e-25	17000000	7.62939e-06	37000000	1.40737e+14	57000000	2.59615e+33	77000000
8.27181e-25	17800000	1.52588e-05	37800000	2.81475e+14	57800000	5.1923e+33	77800000
1.65436e-24	18000000	3.05176e-05	38000000	5.6295e+14	58000000	1.03846e+34	78000000
3.30872e-24	18800000	6.10352e-05	38800000	1.1259e+15	58800000	2.07692e+34	78800000
6.61744e-24	19000000	0.00012207	39000000	2.2518e+15	59000000	4.15384e+34	79000000
1.32349e-23	19800000	0.000244141	39800000	4.5036e+15	59800000	8.30767e+34	79800000
2.64698e-23	1A000000	0.000488281	3A000000	9.0072e+15	5A000000	1.66153e+35	7A000000
5.29396e-23	1A800000	0.000976563	3A800000	1.80144e+16	5A800000	3.32307e+35	7A800000
1.05879e-22	1B000000	0.00195313	3B000000	3.60288e+16	5B000000	6.64614e+35	7B000000
2.11758e-22	1B800000	0.00390625	3B800000	7.20576e+16	5B800000	1.32923e+36	7B800000
4.23516e-22	1C000000	0.0078125	3C000000	1.44115e+17	5C000000	2.65846e+36	7C000000
8.47033e-22	1C800000	0.015625	3C800000	2.8823e+17	5C800000	5.31691e+36	7C800000
1.69407e-21	1D000000	0.03125	3D000000	5.76461e+17	5D000000	1.06338e+37	7D000000
3.38813e-21	1D800000	0.0625	3D800000	1.15292e+18	5D800000	2.12676e+37	7D800000
6.77626e-21	1E000000	0.125	3E000000	2.30584e+18	5E000000	4.25353e+37	7E000000
1.35525e-20	1E800000	0.25	3E800000	4.61169e+18	5E800000	8.50706e+37	7E800000
2.71051e-20	1F000000	0.5	3F000000	9.22337e+18	5F000000	1.70141e+38	7F000000
5.42101e-20	1F800000	1.0	3F800000	1.84467e+19	5F800000	INFINITY	7F800000