

All Positive Quarter Precision Floating-Point Values

Professor William T. Verts

0-111-1111	Quiet	NaN, Code=7		0-011-1111	Normalized	+1.1111×2 ⁰	= 1.9375
0-111-1110	Quiet	NaN, Code=6		0-011-1110	Normalized	+1.1110×2 ⁰	= 1.875
0-111-1101	Quiet	NaN, Code=5		0-011-1101	Normalized	+1.1101×2 ⁰	= 1.8125
0-111-1100	Quiet	NaN, Code=4		0-011-1100	Normalized	+1.1100×2 ⁰	= 1.75
0-111-1011	Quiet	NaN, Code=3		0-011-1011	Normalized	+1.1011×2 ⁰	= 1.6875
0-111-1010	Quiet	NaN, Code=2		0-011-1010	Normalized	+1.1010×2 ⁰	= 1.625
0-111-1001	Quiet	NaN, Code=1		0-011-1001	Normalized	+1.1001×2 ⁰	= 1.5625
0-111-1000	Quiet	NaN, Code=0		0-011-1000	Normalized	+1.1000×2 ⁰	= 1.5
0-111-0111	Signaling	NaN, Code=7		0-011-0111	Normalized	+1.0111×2 ⁰	= 1.4375
0-111-0110	Signaling	NaN, Code=6		0-011-0110	Normalized	+1.0110×2 ⁰	= 1.375
0-111-0101	Signaling	NaN, Code=5		0-011-0101	Normalized	+1.0101×2 ⁰	= 1.3125
0-111-0100	Signaling	NaN, Code=4		0-011-0100	Normalized	+1.0100×2 ⁰	= 1.25
0-111-0011	Signaling	NaN, Code=3		0-011-0011	Normalized	+1.0011×2 ⁰	= 1.1875
0-111-0010	Signaling	NaN, Code=2		0-011-0010	Normalized	+1.0010×2 ⁰	= 1.125
0-111-0001	Signaling	NaN, Code=1		0-011-0001	Normalized	+1.0001×2 ⁰	= 1.0625
0-111-0000	Infinity			0-011-0000	Normalized	+1.0000×2 ⁰	= 1.0
0-110-1111	Normalized	+1.1111×2 ³	= 15.5	0-010-1111	Normalized	+1.1111×2 ⁻¹	= 0.96875
0-110-1110	Normalized	+1.1110×2 ³	= 15.0	0-010-1110	Normalized	+1.1110×2 ⁻¹	= 0.9375
0-110-1101	Normalized	+1.1101×2 ³	= 14.5	0-010-1101	Normalized	+1.1101×2 ⁻¹	= 0.90625
0-110-1100	Normalized	+1.1100×2 ³	= 14.0	0-010-1100	Normalized	+1.1100×2 ⁻¹	= 0.875
0-110-1011	Normalized	+1.1011×2 ³	= 13.5	0-010-1011	Normalized	+1.1011×2 ⁻¹	= 0.84375
0-110-1010	Normalized	+1.1010×2 ³	= 13.0	0-010-1010	Normalized	+1.1010×2 ⁻¹	= 0.8125
0-110-1001	Normalized	+1.1001×2 ³	= 12.5	0-010-1001	Normalized	+1.1001×2 ⁻¹	= 0.78125
0-110-1000	Normalized	+1.1000×2 ³	= 12.0	0-010-1000	Normalized	+1.1000×2 ⁻¹	= 0.75
0-110-0111	Normalized	+1.0111×2 ³	= 11.5	0-010-0111	Normalized	+1.0111×2 ⁻¹	= 0.71875
0-110-0110	Normalized	+1.0110×2 ³	= 11.0	0-010-0110	Normalized	+1.0110×2 ⁻¹	= 0.6875
0-110-0101	Normalized	+1.0101×2 ³	= 10.5	0-010-0101	Normalized	+1.0101×2 ⁻¹	= 0.65625
0-110-0100	Normalized	+1.0100×2 ³	= 10.0	0-010-0100	Normalized	+1.0100×2 ⁻¹	= 0.625
0-110-0011	Normalized	+1.0011×2 ³	= 9.5	0-010-0011	Normalized	+1.0011×2 ⁻¹	= 0.59375
0-110-0010	Normalized	+1.0010×2 ³	= 9.0	0-010-0010	Normalized	+1.0010×2 ⁻¹	= 0.5625
0-110-0001	Normalized	+1.0001×2 ³	= 8.5	0-010-0001	Normalized	+1.0001×2 ⁻¹	= 0.53125
0-110-0000	Normalized	+1.0000×2 ³	= 8.0	0-010-0000	Normalized	+1.0000×2 ⁻¹	= 0.5
0-101-1111	Normalized	+1.1111×2 ²	= 7.75	0-001-1111	Normalized	+1.1111×2 ⁻²	= 0.484375
0-101-1110	Normalized	+1.1110×2 ²	= 7.5	0-001-1110	Normalized	+1.1110×2 ⁻²	= 0.46875
0-101-1101	Normalized	+1.1101×2 ²	= 7.25	0-001-1101	Normalized	+1.1101×2 ⁻²	= 0.453125
0-101-1100	Normalized	+1.1100×2 ²	= 7.0	0-001-1100	Normalized	+1.1100×2 ⁻²	= 0.4375
0-101-1011	Normalized	+1.1011×2 ²	= 6.75	0-001-1011	Normalized	+1.1011×2 ⁻²	= 0.421875
0-101-1010	Normalized	+1.1010×2 ²	= 6.5	0-001-1010	Normalized	+1.1010×2 ⁻²	= 0.40625
0-101-1001	Normalized	+1.1001×2 ²	= 6.25	0-001-1001	Normalized	+1.1001×2 ⁻²	= 0.390625
0-101-1000	Normalized	+1.1000×2 ²	= 6.0	0-001-1000	Normalized	+1.1000×2 ⁻²	= 0.375
0-101-0111	Normalized	+1.0111×2 ²	= 5.75	0-001-0111	Normalized	+1.0111×2 ⁻²	= 0.359375
0-101-0110	Normalized	+1.0110×2 ²	= 5.5	0-001-0110	Normalized	+1.0110×2 ⁻²	= 0.34375
0-101-0101	Normalized	+1.0101×2 ²	= 5.25	0-001-0101	Normalized	+1.0101×2 ⁻²	= 0.328125
0-101-0100	Normalized	+1.0100×2 ²	= 5.0	0-001-0100	Normalized	+1.0100×2 ⁻²	= 0.3125
0-101-0011	Normalized	+1.0011×2 ²	= 4.75	0-001-0011	Normalized	+1.0011×2 ⁻²	= 0.296875
0-101-0010	Normalized	+1.0010×2 ²	= 4.5	0-001-0010	Normalized	+1.0010×2 ⁻²	= 0.28125
0-101-0001	Normalized	+1.0001×2 ²	= 4.25	0-001-0001	Normalized	+1.0001×2 ⁻²	= 0.265625
0-101-0000	Normalized	+1.0000×2 ²	= 4.0	0-001-0000	Normalized	+1.0000×2 ⁻²	= 0.25
0-100-1111	Normalized	+1.1111×2 ¹	= 3.875	0-000-1111	DeNormal	+0.1111×2 ⁻²	= 0.234375
0-100-1110	Normalized	+1.1110×2 ¹	= 3.75	0-000-1110	DeNormal	+0.1110×2 ⁻²	= 0.21875
0-100-1101	Normalized	+1.1101×2 ¹	= 3.625	0-000-1101	DeNormal	+0.1101×2 ⁻²	= 0.203125
0-100-1100	Normalized	+1.1100×2 ¹	= 3.5	0-000-1100	DeNormal	+0.1100×2 ⁻²	= 0.1875
0-100-1011	Normalized	+1.1011×2 ¹	= 3.375	0-000-1011	DeNormal	+0.1011×2 ⁻²	= 0.171875
0-100-1010	Normalized	+1.1010×2 ¹	= 3.25	0-000-1010	DeNormal	+0.1010×2 ⁻²	= 0.15625
0-100-1001	Normalized	+1.1001×2 ¹	= 3.125	0-000-1001	DeNormal	+0.1001×2 ⁻²	= 0.140625
0-100-1000	Normalized	+1.1000×2 ¹	= 3.0	0-000-1000	DeNormal	+0.1000×2 ⁻²	= 0.125
0-100-0111	Normalized	+1.0111×2 ¹	= 2.875	0-000-0111	DeNormal	+0.0111×2 ⁻²	= 0.109375
0-100-0110	Normalized	+1.0110×2 ¹	= 2.75	0-000-0110	DeNormal	+0.0110×2 ⁻²	= 0.09375
0-100-0101	Normalized	+1.0101×2 ¹	= 2.625	0-000-0101	DeNormal	+0.0101×2 ⁻²	= 0.078125
0-100-0100	Normalized	+1.0100×2 ¹	= 2.5	0-000-0100	DeNormal	+0.0100×2 ⁻²	= 0.0625
0-100-0011	Normalized	+1.0011×2 ¹	= 2.375	0-000-0011	DeNormal	+0.0011×2 ⁻²	= 0.046875
0-100-0010	Normalized	+1.0010×2 ¹	= 2.25	0-000-0010	DeNormal	+0.0010×2 ⁻²	= 0.03125
0-100-0001	Normalized	+1.0001×2 ¹	= 2.125	0-000-0001	DeNormal	+0.0001×2 ⁻²	= 0.015625
0-100-0000	Normalized	+1.0000×2 ¹	= 2.0	0-000-0000	Zero		