

COSMOLOGICAL SCALES

OBJECT	DISTANCE	'VIRTUAL' DIST. 1	'VIRTUAL' DIST. 2	SIZE	'VIRTUAL' SIZE 1	'VIRTUAL' SIZE 2
Sun	0 AU	0 cm	0 mm	1'400'000 km	14 m	0.01 mm
Earth	1 AU	1.5 km	1 mm	12'700 km	13 cm	0.0001 mm
Earth-Moon (dist.)	380'000 km	38 m	0.003 mm	N/A	N/A	N/A
Jupiter	5 AU	7.5 km	5 mm	180'000 km	1.8 m	0.001 mm
Neptune	30 AU	45 km	30 mm	49'000 km	49 cm	0.0003 mm
Kuiper belt	30-55 AU	45-83 km	30-55 mm	N/A	N/A	N/A
Oort cloud	2'000 AU - 1 ly	3'000-95'000 km	2-63 m	N/A	N/A	N/A
Proxima Centauri	4 ly	380'000 km	250 m	197'500 km	2 m	0.001 mm
Orion Nebula	1'350 ly	128'000'000 km	85 km	12 ly	1'140'000 km	760 m
Sagittarius A*	26'000 ly	2'470'000'000 km	1'640 km	0 km	0 cm	0 mm
Milky Way Galaxy	N/A	N/A	N/A	100'000 ly	9'500'000'000 km	1.6 km
Andromeda Galaxy	2'500'000 ly	238 × 10 ⁹ km	157'500 km	140'000 ly	13 × 10 ⁹ km	8'820 km
Local Group	N/A	N/A	N/A	10'000'000 ly	950 × 10 ⁹ km	630'000 km
Local Super Cluster	N/A	N/A	N/A	110'000'000 ly	10'500 × 10 ⁹ km	6'930'000 km
The known Universe	N/A	N/A	N/A	93 × 10 ⁹ ly	8'800'000 × 10 ⁹ km	5'860'000'000 km

CONVERSION TABLE				
'VIRTUAL' 1	1 cm : 1'000 km	1.5 km : 1 AU (150'000'000 km)	95'000 km : 1 ly (63'300 AU)	1 AU : 1'500 ly
'VIRTUAL' 2	1 mm : 1 AU	63 m : 1 ly	1 km : 16'000 ly	158'000 km : 2'500'000 ly