NASA/IPAC Extragalactic Database

Detailed Information for a Named Object

Object Name

LEDA 2489445

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Results for object WISEA J140655.11+550402.5 (LEDA 2489445)

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Redshifts and Derived Quantities for WISEA J140655.11+550402.5

Preferred Redshift: Z = 0.25053, H_0 = 67.8 km/sec/Mpc, Ωmatter = 0.308, Ωvacuum = 0.692

Quantities Derived from Preferred Redshift for WISEA J140655.11+550402.5

Calculated and Corrected Velocities

Type	Velocities	Reference **View References in ADS**
V (Heliocentric)	75106 ± 12 km/s	2016SDSSD.C...0000:
V (Kinematic LSR)	75120 ± 12 km/s	1986MNRAS.221.1023K
V (Galactocentric GSR)	75229 ± 13 km/s	1991RC3.9.C...0000d
V (Local Group)	75249 ± 15 km/s	1996AJ....111..794K
V (3K CMB)	75222 ± 14 km/s	1996ApJ...473..576F
V (Virgo Infall only)	75388 ± 18 km/s	2000ApJ...529..786M
V (Virgo + GA only)	75344 ± 18 km/s	2000ApJ...529..786M
V (Virgo + GA + Shapley)	75364 ± 18 km/s	2000ApJ...529..786M

Hubble Flow Distance and Distance Modulus (where H_0 = 67.8 km/sec/Mpc ± km/sec/Mpc)

Type	Distance	Modulus
D (Galactocentric GSR)	1109.57 ± 77.67 Mpc	(m-M) = 40.23 ± 0.15 mag
D (Local Group)	1109.86 ± 77.69 Mpc	(m-M) = 40.23 ± 0.15 mag
D (3K CMB)	1109.47 ± 77.66 Mpc	(m-M) = 40.23 ± 0.15 mag
D (Virgo Infall only)	1111.92 ± 77.83 Mpc	(m-M) = 40.23 ± 0.15 mag
D (Virgo + GA only)	1111.26 ± 77.79 Mpc	(m-M) = 40.23 ± 0.15 mag
D (Virgo + GA + Shapley)	1111.56 ± 77.81 Mpc	(m-M) = 40.23 ± 0.15 mag

Scale at Hubble Flow Distances

Type	Values
Scale (Galactocentric GSR)	5379 pc/arcsec = 5.379 kpc/arcsec = 322.76 kpc/arcmin = 19.37 Mpc/degree
Scale (Local Group)	5381 pc/arcsec = 5.381 kpc/arcsec = 322.84 kpc/arcmin = 19.37 Mpc/degree
Scale (3K CMB)	5379 pc/arcsec = 5.379 kpc/arcsec = 322.73 kpc/arcmin = 19.36 Mpc/degree
Scale (Virgo Infall only)	5391 pc/arcsec = 5.391 kpc/arcsec = 323.45 kpc/arcmin = 19.41 Mpc/degree
Scale (Virgo + GA only)	5388 pc/arcsec = 5.388 kpc/arcsec = 323.25 kpc/arcmin = 19.40 Mpc/degree
Scale (Virgo + GA + Shapley)	5389 pc/arcsec = 5.389 kpc/arcsec = 323.34 kpc/arcmin = 19.40 Mpc/degree

Cosmology-Corrected Quantities [H_0 = 67.8 km/sec/Mpc, Ω_{matter} = 0.308, Ω_{vacuum} = 0.692]
[Redshift 0.250913 as corrected to the Reference Frame defined by the 3K CMB]

Type	Values
Luminosity Distance	1.3e+03 Mpc (m-M) = 40.58 mag
Angular-Size Distance	834 (m-M) = 39.61 mag
Co-Moving Radial Distance	1.04e+03 (m-M) = 40.09 mag
Co-Moving Tangential Distance	1.04e+03 (m-M) = 40.09 mag
Co-Moving Volume	4.75 Gpc^3
Light Travel-Time	3.042 Gyr
Age at Redshift 0.250913	10.762 Gyr
Age of Universe	13.804 Gyr
Scale (Cosmology Corrected)	4042 pc/arcsec = 4.042 kpc/arcsec = 242.51 kpc/arcmin = 14.55 Mpc/degree
Surface Brightness Dimming	Flux Density per Unit Area = 0.40841; Magnitude per Unit Area = 0.9723 mag

Measured Redshifts of WISEA J140655.11+550402.5

See also Distances.

Reload form

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