

You have selected the following parameters to search on:

Redshift: Between 0.016400 and 0.029800
Include ANY Object Type:
Exclude ANY Object Type:
Parameters for Distances and Cosmology: $H_0 = 73.0$; $\Omega_{\text{matter}} = 0.27$; $\Omega_{\text{vacuum}} = 0.73$;
Derived Quantities use a Redshift corrected to a Reference Frame defined by the 3K CMB

NED results within 10.000 arcmin of 12h52m24.99000s, +29d13m21.1900s (Equatorial: J2000.0)

1 objects found in NED.

SOURCE LIST

Row No.	Object Name (* => Essential Note)	RA	EquJ2000.0 DEC	Object Type	Velocity/Redshift km/s z	Qual	Filter	Mag./ arcmin	Separ.	Refs	Notes	Number of Phot	Posn	Vel/z	Diam	As
1	SDSS J125205.06+291717.1	12h52m05.1s	+29d17m17s	G	6509 0.021713			17.5g	5.860	4	0	21	2	2	4	

Detailed information for each object

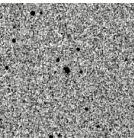
Object No. 1 - SDSS J125205.06+291717.1

INDEX for SDSS J125205.06+291717.1

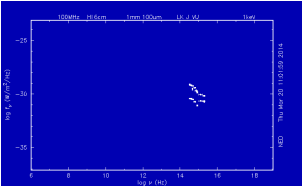
Essential Data (jump to sub-section of this query report):

- Essential Note
- Cross-IDs
- Coordinates
- Basic Data
- Quantities Derived from Redshift
- Redshift-Independent Distances
- Quick-Look Photometry and Luminosities
- NEW Quick-Look Angular and Physical Sizes
- Classifications
- Foreground Galactic Extinction
- External Services

Detailed Data (NED queries):



Images



21 Photometric data point(s) and SED

- Spectra
- Redshift-Independent Distances
- 4 Reference(s)
- 2 Position data point(s)
- 2 Redshift data point(s)
- 4 Diameter data point(s)

ESSENTIAL NOTE for SDSS J125205.06+291717.1 (Back to INDEX)

N/A

CROSS-IDENTIFICATIONS for SDSS J125205.06+291717.1 (Back to INDEX)

Object Names	Type	Object Names	Type
SDSS J125205.06+291717.1	G	ASK 579067.0	G
SDSS J125205.07+291717.1	G	MAPS-NGP O_322_0876071	G
GALEXASC J125205.20+291717.6	UVS	NGP9 F322-0876265	G
[KRN93] 0232	G		

COORDINATES for SDSS J125205.06+291717.1 (Back to INDEX)

Position Reference:2007SDSS6.C...0000:

Reference	Frame	Longitude (degrees)	Latitude (degrees)	RA	DEC	Uncertainty Ellipse (arcsec) Semimajor Semiminor PA(deg)
Equatorial	(B1950.0)	192.415017	29.559608	12h49m39.604s	+29d33m34.59s	5.00E-01 5.00E-01 0
Equatorial	(J2000.0)	193.021122	29.288085	12h52m05.069s	+29d17m17.11s	5.00E-01 5.00E-01 0

Ecliptic	(B1950.0)	178.333361	31.803336	5.00E-01	5.00E-01	0
Ecliptic	(J2000.0)	179.035920	31.802983	5.00E-01	5.00E-01	0
Galactic		119.196678	87.835528	5.00E-01	5.00E-01	0
SuperGalactic		87.928135	6.990845	5.00E-01	5.00E-01	0

Additional detailed measurements with references are also available by clicking below:
[2 Position data point\(s\)](#)

REDSHIFT-INDEPENDENT DISTANCES for SDSS J125205.06+291717.1 [\(Back to INDEX\)](#)

N/A

CLASSIFICATIONS (TYPES, ATTRIBUTES) for SDSS J125205.06+291717.1 [\(Back to INDEX\)](#)

N/A

FOREGROUND GALACTIC EXTINCTION for SDSS J125205.06+291717.1 [\(Back to INDEX\)](#)

NEW Galactic Extinction from the [Schlafly & Finkbeiner 2011, Appendix: 2011ApJ...737..103S \(SF11\)](#) recalibration of the [Schlegel, Finkbeiner & Davis 1998, Appendix B: 1998ApJ...500..525S \(SFD98\)](#) infrared-based dust map. The map is based on dust emission from COBE/DIRBE and IRAS/ISSA; the recalibration assumes a [Fitzpatrick \(1999PASP...111...63F\)](#) reddening law with $R_V = 3.1$ and different source spectrum than SFD98.

	L a n d o l t					S D S S					U K I R T			
Filter	U	B	V	R	I	u	g	r	i	z	J	H	K	L'
[μ m]	(0.35)	(0.43)	(0.54)	(0.64)	(0.80)	(0.36)	(0.47)	(0.62)	(0.75)	(0.89)	(1.25)	(1.66)	(2.19)	(3.78)
A_λ [mag]	0.059	0.049	0.037	0.029	0.020	0.058	0.045	0.031	0.023	0.017	0.010	0.006	0.004	0.002

[Show/Hide \$A_\lambda\$ magnitudes in all 88 photometric bands based on SF11](#)

For completeness, we include the original SFD98 values:

	L a n d o l t					S D S S					U K I R T			
Filter	U	B	V	R	I	u	g	r	i	z	J	H	K	L'
[μ m]	(0.34)	(0.44)	(0.54)	(0.65)	(0.81)	(0.35)	(0.49)	(0.63)	(0.78)	(0.93)	(1.27)	(1.67)	(2.22)	(3.81)
A_λ [mag]	0.075	0.060	0.046	0.037	0.027	0.071	0.052	0.038	0.029	0.020	0.012	0.008	0.005	0.002

Galactic Extinction based on H I Column Densities and Galaxy Counts ([Burstein & Heiles: 1982AJ.....87.1165B](#)) assuming $R_V = 3.1$:
 $A_B = 0.030$ mag

See [Notes on Galactic Extinction](#) for important caveats.

BASIC DATA for SDSS J125205.06+291717.1 [\(Back to INDEX\)](#)

Helio. Radial Velocity : 6509 +/- 63 km/s
Redshift : 0.021713 +/- 0.000209 [2007SDSS6.C...0000:](#)
Major Diameter (arcmin) : 0.32
Minor Diameter (arcmin) : 0.26
Magnitude and Filter : 17.5g
Classifications :

NOTE: This information is indicative only. With the exception of the redshift they are unreferenced and highly inhomogeneous as to their origin. The Radial Velocity (when available) is computed from the listed redshift. The remaining values are designed to orient the user with a quick-look, overall assessment of the general properties of the object in question. They are not averages nor are they standardized in any way.

Additional detailed measurements with references are also available by clicking below:
[2 Redshift data point\(s\)](#) [21 photometric data point\(s\)](#) [4 Diameter data point\(s\)](#)

QUANTITIES DERIVED FROM REDSHIFT for SDSS J125205.06+291717.1 [\(Details\)](#)[\(Back to INDEX\)](#)

Calculated and Corrected Velocities
V (Heliocentric) : 6509 +/- 63 km/s [2007SDSS6.C...0000:](#)
V (Kinematic LSR) : 6518 +/- 63 km/s [1986MNRAS.221.1023K](#)
V (Galactocentric GSR) : 6524 +/- 63 km/s [1991RC3.9.C...0000d](#)
V (Local Group) : 6498 +/- 63 km/s [1996AJ....111..794K](#)

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Your NED Search Results

V (3K CMB) : 6778 +/- 65 km/s [1996ApJ...473..576F](#)

V (Virgo Infall only) : 6723 +/- 65 km/s [2000ApJ...529..786M](#)

V (Virgo + GA only) : 7035 +/- 68 km/s [2000ApJ...529..786M](#)

V (Virgo + GA + Shapley) : 7080 +/- 68 km/s [2000ApJ...529..786M](#)

Hubble Flow Distance and Distance Modulus (where $H_0 = 73.0 \pm 5$ km/sec/Mpc)

D (Galactocentric GSR) : 89.4 +/- 6.3 Mpc (m-M) = 34.76 +/- 0.15 mag

D (Local Group) : 89.0 +/- 6.3 Mpc (m-M) = 34.75 +/- 0.15 mag

D (3K CMB) : 92.9 +/- 6.6 Mpc (m-M) = 34.84 +/- 0.15 mag

D (Virgo Infall only) : 92.1 +/- 6.5 Mpc (m-M) = 34.82 +/- 0.15 mag

D (Virgo + GA only) : 96.4 +/- 6.8 Mpc (m-M) = 34.92 +/- 0.15 mag

D (Virgo + GA + Shapley) : 97.0 +/- 6.8 Mpc (m-M) = 34.93 +/- 0.15 mag

Scale at Hubble Flow Distances

Scale (Galactocentric GSR) : 433 pc/arcsec = 0.433 kpc/arcsec = 26.00 kpc/arcmin = 1.56 Mpc/degree

Scale (Local Group) : 432 pc/arcsec = 0.432 kpc/arcsec = 25.89 kpc/arcmin = 1.55 Mpc/degree

Scale (3K CMB) : 450 pc/arcsec = 0.450 kpc/arcsec = 27.01 kpc/arcmin = 1.62 Mpc/degree

Scale (Virgo Infall only) : 446 pc/arcsec = 0.446 kpc/arcsec = 26.79 kpc/arcmin = 1.61 Mpc/degree

Scale (Virgo + GA only) : 467 pc/arcsec = 0.467 kpc/arcsec = 28.03 kpc/arcmin = 1.68 Mpc/degree

Scale(Virgo + GA + Shapley): 470 pc/arcsec = 0.470 kpc/arcsec = 28.21 kpc/arcmin = 1.69 Mpc/degree

To Search for Nearby Objects (Physical Companions): Enter Your Preferred Values and click on "Submit Environment Search" button

Search for Objects within +/- arcmin where 100 kpc = 3.545 arcmin

and Selected Redshift, defined by the Velocity Range: from to km/sec where

V(Heliocentric) = 6509 km/sec

Cosmology-Corrected Quantities [$H_0 = 73.00$ km/sec/Mpc, $\Omega_{\text{matter}} = 0.27$, $\Omega_{\text{vacuum}} = 0.73$]
[Redshift 0.022610 as corrected to the Reference Frame defined by the 3K Microwave Background Radiation]

Luminosity Distance : 94.5 Mpc (m-M) = 34.88 mag

Angular-Size Distance : 90.4 Mpc (m-M) = 34.78 mag

Co-Moving Radial Distance : 92.4 Mpc (m-M) = 34.83 mag

Co-Moving Tangential Dist. : 92.4 Mpc (m-M) = 34.83 mag

Co-Moving Volume : 0.00331 Gpc³

Light Travel-Time : 0.298 Gyr

Age at Redshift 0.022610 : 13.001 Gyr

Age of Universe : 13.299 Gyr

Scale (Cosmology Corrected): 438 pc/arcsec = 0.438 kpc/arcsec = 26.29 kpc/arcmin = 1.58 Mpc/degree

Surface Brightness Dimming : Flux Density per Unit Area = 0.91445; Magnitude per Unit Area = 0.0971 mag

To change Cosmological Input Parameters for Derived Quantities: Enter Your Preferred Values and click on "Submit Changed Hubble Parameters for this object" button

H_0 Ω_{matter} Ω_{vacuum}

Correct Redshift To the Reference Frame defined by: as Input for Calculation

of the Distances and Cosmology-Corrected Quantities

QUICK-LOOK PHOTOMETRY and LUMINOSITIES for SDSS J125205.06+291717.1 [\(Back to INDEX\)](#)

The brightest flux in each of the following spectral regions, when available:
Gamma-Ray ($\nu > 2\text{E}19$ Hz); X-Ray ($2\text{E}19 \text{ Hz} > \nu > 2\text{E}16$ Hz); Ultraviolet ($2\text{E}16 \text{ Hz} > \nu > 9\text{E}14$ Hz); Visual ($9\text{E}14 \text{ Hz} > \nu > 3\text{E}14$ Hz);
Near-Infrared ($3\text{E}14 \text{ Hz} > \nu > 6\text{E}13$ Hz); Mid-Infrared ($6\text{E}13 \text{ Hz} > \nu > 7.5\text{E}12$ Hz); Far-Infrared ($7.5\text{E}12 \text{ Hz} > \nu > 1\text{E}12$ Hz);
Sub-Millimeter ($1\text{E}12 \text{ Hz} > \nu > 3\text{E}11$ Hz); Millimeter ($3\text{E}11 \text{ Hz} > \nu > 3\text{E}10$ Hz); Radio ($3\text{E}10 \text{ Hz} > \nu$).

Spectral Region	Band	Apparent Mag or Flux	Refcode	Absolute Mag or νL_ν [W]	νL_ν [L_\odot (Bolometric)]
Ultraviolet	NUV (GALEX) AB	19.0239 +/- 0.0649397 mag	2012GASC...C....0000S	-15.85 +/- 0.50 [mag]	3.20E+08 +/- 6.68E+07
Visual	z (SDSS CModel) AB	16.599 asinh mag	2007SDSS6.C....0000:	-18.28 [mag]	7.38E+08

NOTE: The above quantities are derived using a Distance Modulus of 34.88 mag corresponding to a Luminosity Distance of 94.5 Mpc [assuming 10%uncertainty] using the [Cosmology-Corrected Quantities](#).
The quantities quoted above have not necessarily been corrected for foreground extinction, and no K-Corrections have been applied.

View details and SED for [21 Photometric data point\(s\)](#) available in NED.

NEW QUICK-LOOK ANGULAR & PHYSICAL DIAMETERS for SDSS J125205.06+291717.1 [\(Back to INDEX\)](#)

The largest diameters in the Visual and Near-Infrared spectral regions, when available:

Passband	Apparent Major Axis (2a) [arcsec]	Apparent Minor Axis (2b) [arcsec]	PA [degrees] (J2000.0)	Reference Level	Refcode	Physical Major Axis (2a) [kpc]	Physical Minor Axis (2b) [kpc]
r (SDSS				25.0 mag			

ned.ipac.caltech.edu/cgi-bin/objsearch?in_csys=Equatorial&in_equinox=J2000.0&lon=12h52m24.99s&lat=%2B29d13m21.19s&radiu... 3/4

Isophotal)	20.17	17.14	30	arcsec^-2^	2007SDSS6.C...0000:	9.48	8.06
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NOTE: At $z \leq 0.5$, physical diameters are derived using a [Scale at the Hubble Flow Distance \(Virgo + GA + Shapley\)](#) of 0.470 kpc/arcsec. The quantities quoted above have not necessarily been corrected for foreground extinction.

View details for [4 Diameter data point\(s\)](#) available in NED.

EXTERNAL ARCHIVES AND SERVICES for SDSS J125205.06+291717.1 [Help \(Back to INDEX\)](#)

Data Related Directly to Object Names	Site/Service
Query SIMBAD by primary NED object name -- SDSS J125205.06+291717.1	SIMBAD (CDS, Strasbourg, France)
Query SDSS Sky Server -- SDSS J125205.06+291717.1	SDSS Sky Server
Query GALEX (NUV/FUV) Mission Archive (6' search radius) -- SDSS J125205.06+291717.1	GALEX Mission Data Archive at MAST
Explore IRSA resources with RADAR (10" search radius) -- SDSS J125205.06+291717.1	NASA/IPAC Infrared Science Archive (IRSA)
General Archive Resources -- All queries centered at 12h52m05.1s, +29d17m17s (J2000)	Site/Service
Query Optical and UV Mission Archives (Default search radius)	Multimission Archive at STScI (MAST)
Query High Energy Mission Archives (Default search radius)	HEASARC (NASA/GSFC)
Explore resources with DataScope (15' search radius)	HEASARC (NASA/GSFC)
Query SDSS Sky Server -- SDSS J125205.06+291717.1	SDSS Sky Server
Query IRSA for WISE images (10' search radius)	NASA/IPAC Infrared Science Archive (IRSA)
<div>Retrieve 2MASS Atlas Images Band(s): <div>Ks</div> Size: <div>2'</div></div>	NASA/IPAC Infrared Science Archive (IRSA)
<div>Retrieve IRAS ISSA Images Band(s): <div>60um</div> Size: <div>30'</div></div>	NASA/IPAC Infrared Science Archive (IRSA)
<div>1-D Coad of IRAS Scans (ADDSCAN/SCANPI)</div>	NASA/IPAC Infrared Science Archive (IRSA)
<div>Retrieve NVSS Image Size: <div>15'</div> <div><input checked="" type="radio"/> Contours (PS) <input type="radio"/> JPEG <input type="radio"/> FITS File</div></div>	NRAO/VLA Sky Survey (NVSS)
<div>Retrieve FIRST Image Size: <div>15'</div> <div><input checked="" type="radio"/> GIF <input type="radio"/> FITS File</div></div>	Faint Images of the Radio Sky at Twenty-Centimeters
<div>NRAO Archive 1 arcminute search radius (EVLA, VLA and VLBA)</div>	The NRAO Data Archive System

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