Radial Velocity of Galaxy NGC7531

SUMMARY:

The galaxy data frame records the radial velocity of a

spiral galaxy measured at 323 points in the area of sky

which it covers. All the measurements lie within seven

slots crossing at the origin. The positions of the

measurements given by four variables (columns).

DATA DESCRIPTION:

east.west: the east-west coordinate. The origin, (0,0), is

near the center of the galaxy, east is negative, west is

positive.

north.south: the north-south coordinate. The origin, (0,0), is

near the center of the galaxy, south is negative, north is

positive.

angle: degrees of counter-clockwise rotation from the horizon-

tal of the slot within which the observation lies.

radial.position: signed distance from origin; negative if

east-west coordinate is negative.

velocity: radial velocity measured in km/sec.

SOURCE:

Buta, R. (1987) The Structure and Dynamics of Ringed

Galaxies, III: Surface Photometry and Kinematics of the

Ringed Nonbarred Spiral NGC7531. The Astrophysical J.

Supplement Ser. Vol. 64, pp. 1--37.

John M. Chambers and Trevor J. Hastie, (eds.) Statistical

Models in S, Wadsworth and Brooks, Pacific Grove, CA 1992,

pg. 352.

row.names,east.west,north.south,angle,radial.position,velocity

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