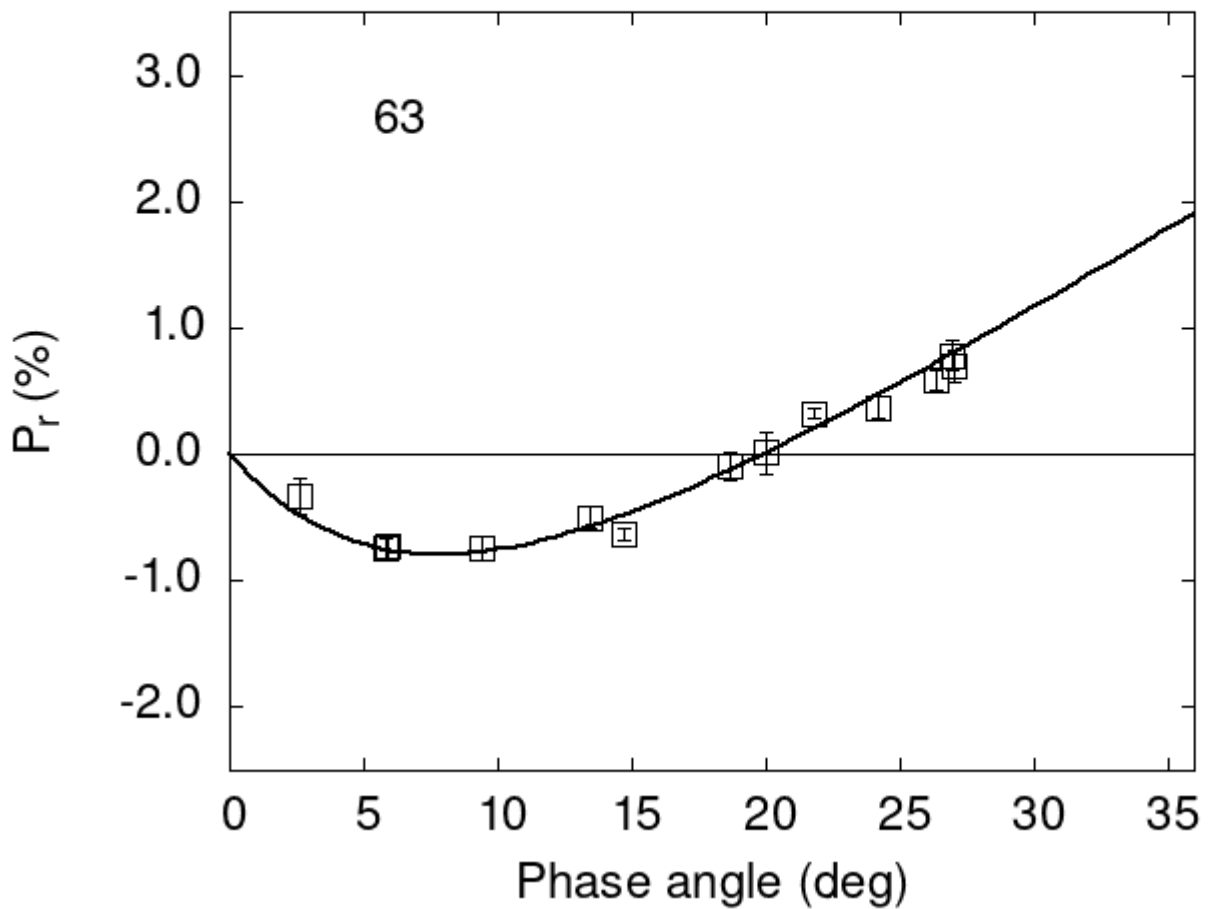


Catalogue of Asteroid Polarization Curves

Gil-Hutton (2023)



Polarimetric data:

The columns list the object number, the phase angle (degrees), P_r (%), its error, the filter used, and the reference code.

63	5.84	-0.74	0.08	V	f
63	5.89	-0.73	0.09	V	f
63	13.46	-0.50	0.09	V	f
63	24.22	0.37	0.09	V	f
63	9.38	-0.74	0.09	G	a
63	18.66	-0.10	0.11	G	a

```

63 20.00  0.01 0.16 G a
63 26.98  0.78 0.12 G a
63 27.02  0.70 0.13 G a
63 21.81  0.32 0.04 G a
63  2.60 -0.33 0.14 V a
63 14.70 -0.63 0.05 V a
63 26.40  0.59 0.08 V h

```

Polarization Curve Parameters:

The polarimetric parameters were obtained fitting the observations to a polarization curve using the function:

$$P_r(\alpha) = Coe_1 \times \left[\exp\left(-\frac{\alpha}{Coe_2}\right) - 1 \right] + Coe_3 \times \alpha,$$

where α is the phase angle in degrees. The minimum of the polarization curve is identified by Pmin, Phmin is the phase angle where Pmin is reached, Ph0 is the inversion angle, and k is the slope of the polarization curve at Ph0.

```

#
#      Coe1      eCoe1      Coe2      eCoe2      Coe3      eCoe3
#      2.7487    0.5998    7.3584    1.7772    0.1287    0.0196
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      7.84    1.96 -0.793  0.487 19.93  0.39 0.1038 0.0227

```