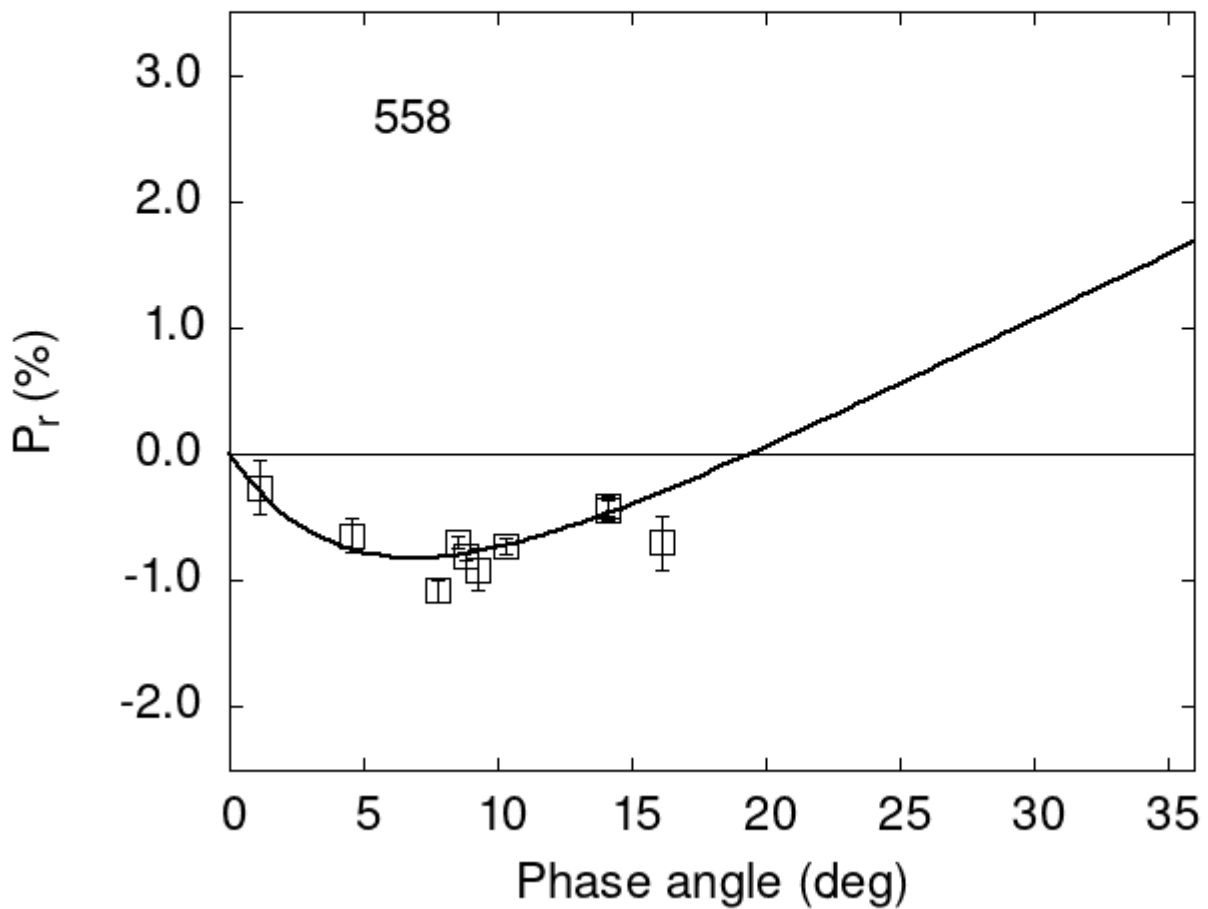


Catalogue of Asteroid Polarization Curves

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.

558	4.56	-0.64	0.13	V	f
558	7.79	-1.08	0.09	V	f
558	9.28	-0.91	0.17	V	f
558	10.30	-0.73	0.06	V	a
558	8.80	-0.80	0.03	V	a
558	8.50	-0.69	0.05	V	a

```

558 14.10 -0.41 0.08 V a
558 14.10 -0.44 0.08 R a
558  1.10 -0.26 0.21 V h
558 16.10 -0.70 0.21 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
#      2.0560    0.2644    5.0191    0.8531    0.1037    0.0147
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      6.89    1.01 -0.820  0.253  19.39  0.42  0.0951  0.0153

```