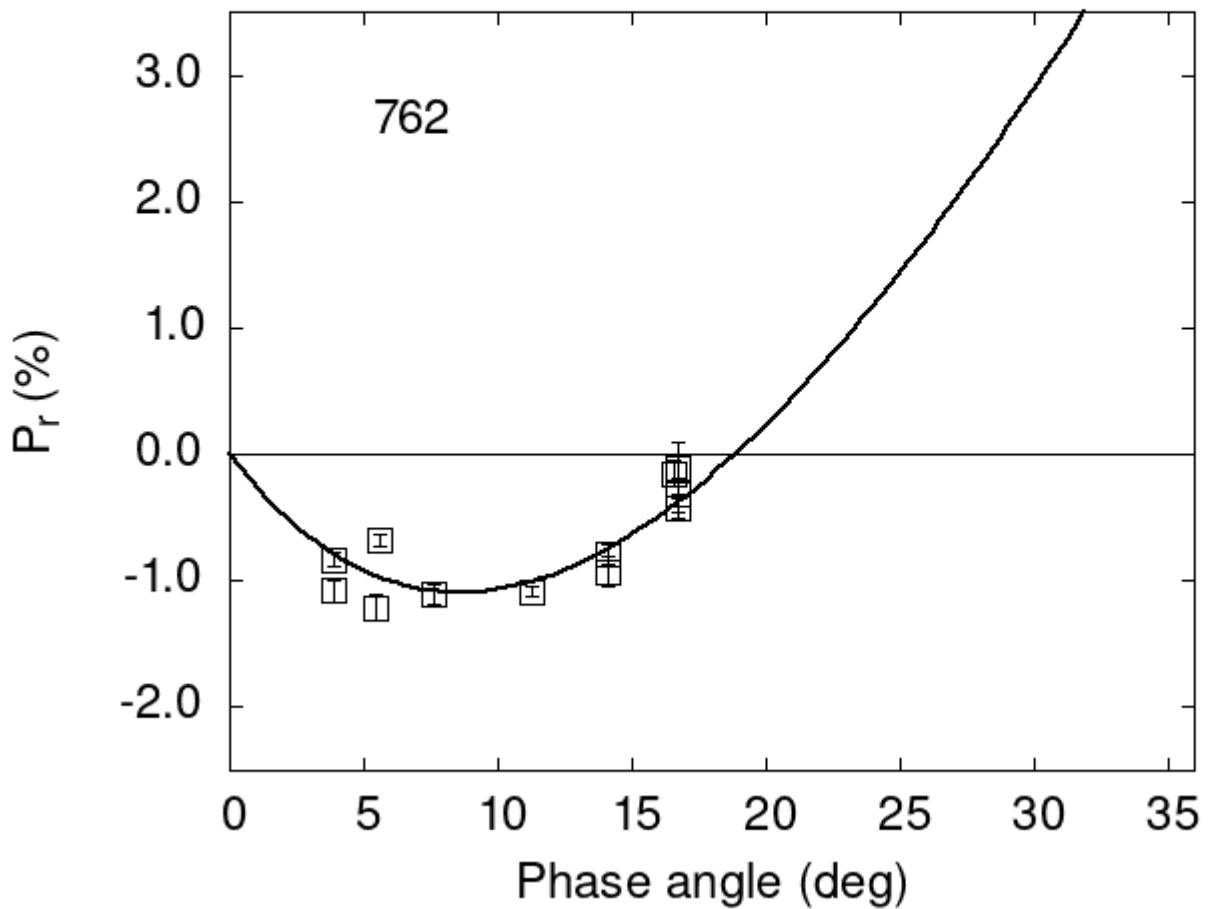


Catalogue of Asteroid Polarization Curves

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.

762	3.89	-1.08	0.09	V	f
762	5.44	-1.21	0.10	V	f
762	14.10	-0.93	0.12	V	a
762	14.10	-0.79	0.08	V	a
762	5.60	-0.68	0.05	V	a
762	16.73	-0.32	0.13	V	a

```

762 16.73 -0.11 0.21 R a
762  3.90 -0.83 0.06 V a
762  7.60 -1.11 0.08 V a
762 16.60 -0.15 0.10 V a
762 11.30 -1.09 0.04 V a
762 16.70 -0.43 0.08 V a

```

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
# 12.9940  0.5142  17.9646  0.5715  0.4476  0.0169
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#      8.62  1.03 -1.094  0.273 18.87  0.21 0.1946 0.0196

```