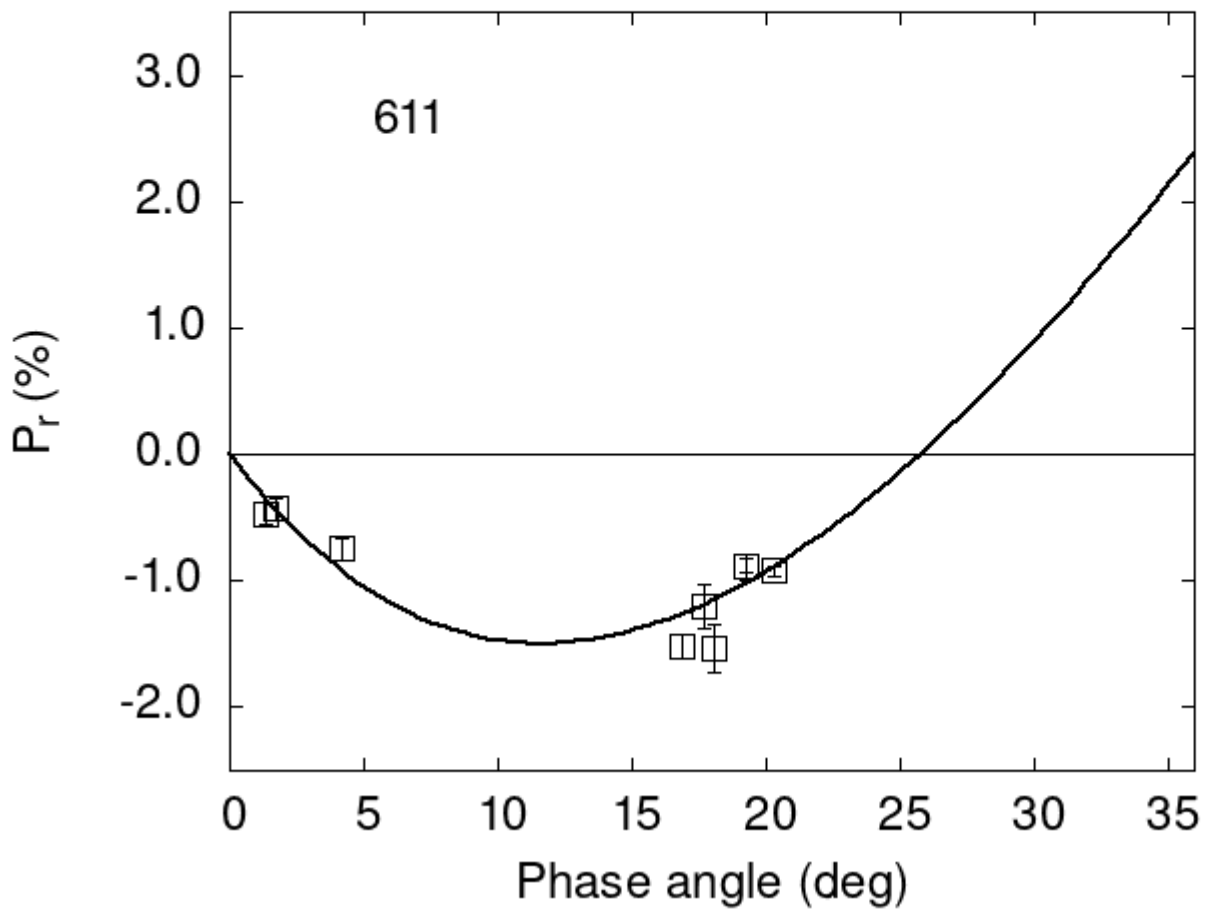


Catalogue of Asteroid Polarization Curves

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.

611	1.32	-0.47	0.09	V	f
611	1.70	-0.43	0.09	V	f
611	4.17	-0.75	0.09	V	f
611	16.87	-1.52	0.09	V	f
611	17.67	-1.20	0.17	V	f
611	17.99	-2.81	0.75	V	f

```

611 18.05 -1.53 0.19 V f
611 19.28 -0.89 0.10 V f
611 20.28 -0.92 0.04 V a
611 19.28 -0.88 0.06 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
# 14.9903  0.5366  21.9184  1.2977  0.4020  0.0179
#
#      Phmin  err  Pmin  err  Ph0  err  k      err
# 11.65  1.39 -1.498  0.411  25.79  0.21 0.1911 0.0195

```