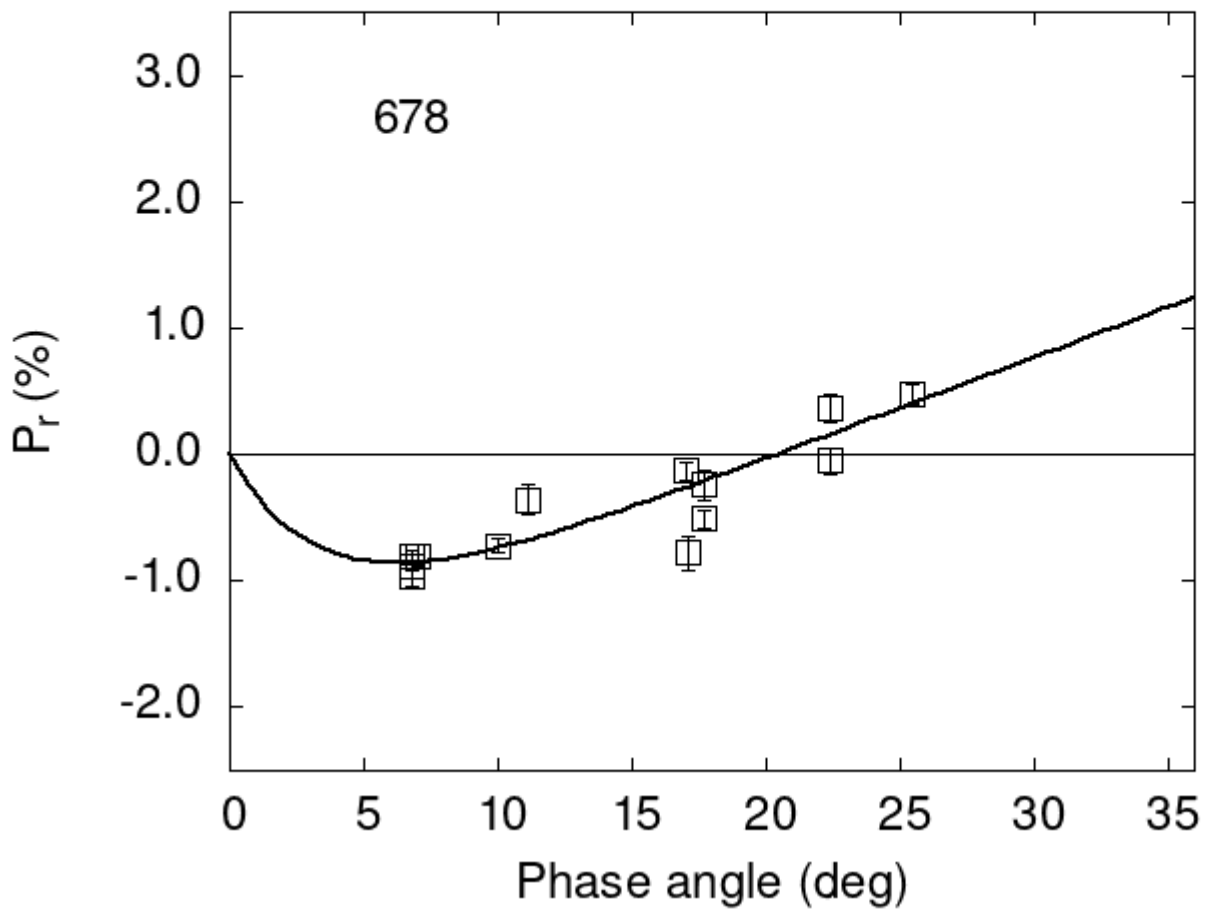


Catalogue of Asteroid Polarization Curves

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.

678	6.80	-0.81	0.05	R	d
678	6.80	-0.97	0.07	V	d
678	6.80	-0.88	0.04	R	d
678	6.99	-0.80	0.09	V	f
678	25.44	0.47	0.08	V	f
678	17.00	-0.13	0.07	V	f

```

678 22.37 -0.05 0.10 V f
678 22.37 0.36 0.10 R f
678 17.73 -0.24 0.12 V a
678 17.73 -0.51 0.07 R a
678 17.10 -0.78 0.14 V a
678 17.00 -0.13 0.07 V a
678 10.00 -0.72 0.06 V a
678 11.10 -0.36 0.12 V a
678 22.38 -0.05 0.10 V b
678 22.38 0.37 0.10 R b

```

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
#      1.6423    0.2215    3.5458    0.9709    0.0800    0.0103
#
#      Phmin    err   Pmin    err   Ph0    err    k      err
#      6.23    0.99 -0.861  0.237  20.46  0.51  0.0786  0.0105

```