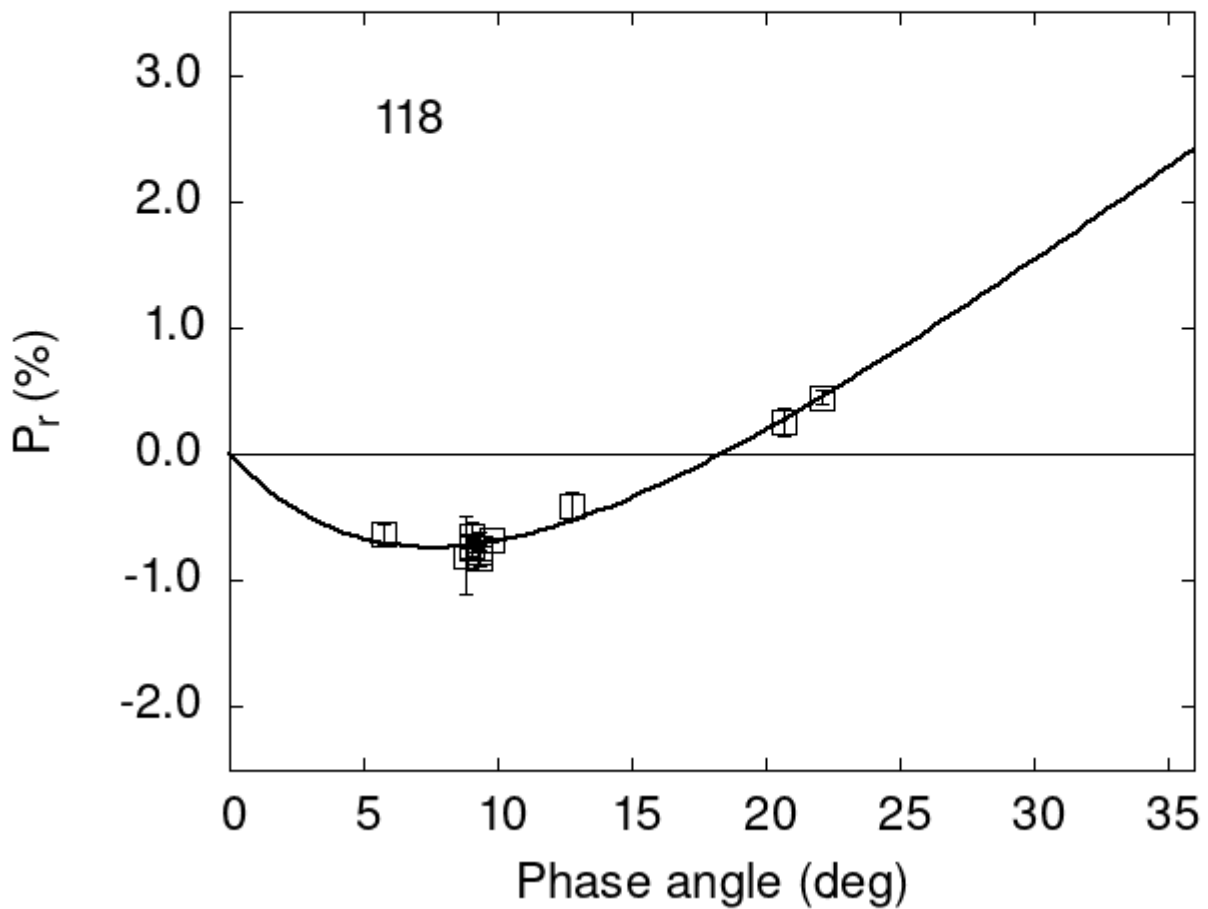


Catalogue of Asteroid Polarization Curves

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.

118	5.76	-0.63	0.08	V	f
118	8.81	-0.80	0.31	V	f
118	9.05	-0.65	0.12	V	f
118	9.05	-0.73	0.07	R	f
118	9.32	-0.82	0.06	V	a
118	9.32	-0.78	0.06	R	a

```

118  9.80 -0.68 0.02 V a
118 12.80 -0.41 0.11 V a
118 20.70  0.25 0.11 V a
118  9.30 -0.75 0.14 V a
118 22.10  0.45 0.06 V a
118  9.06 -0.65 0.12 V b
118  9.06 -0.74 0.07 R b
118  8.81 -0.80 0.31 V 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
#   3.1787   0.2113   8.2893   0.5544   0.1541   0.0081
#
#   Phmin   err   Pmin   err   Ph0   err   k   err
#   7.55   0.70 -0.736  0.160 18.37  0.36 0.1123 0.0092

```