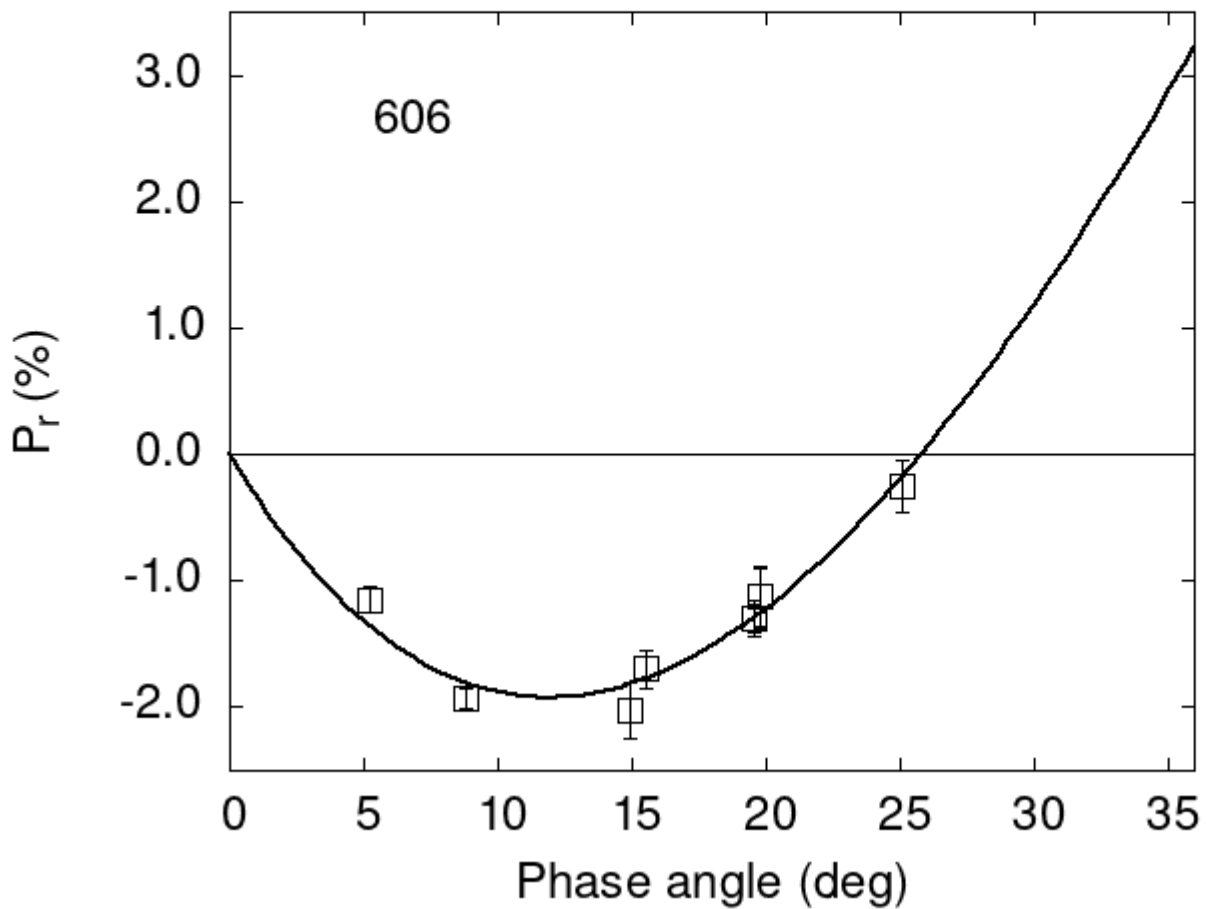


Catalogue of Asteroid Polarization Curves

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.

```
606  5.20 -1.15 0.10 V f
606  8.79 -1.93 0.08 V f
606 14.97 -2.02 0.22 V f
606 15.50 -1.70 0.15 V f
606 19.60 -1.30 0.14 V f
606 19.80 -1.13 0.24 V f
```

```

606 25.09 -0.25 0.20 V f
606 19.80 -1.13 0.23 V a
606 19.60 -1.30 0.11 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
# 26.0394  0.7237 26.7367  0.8281  0.6244  0.0166
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
# 11.88  1.13 -1.923  0.399 25.82  0.16 0.2537 0.0196

```