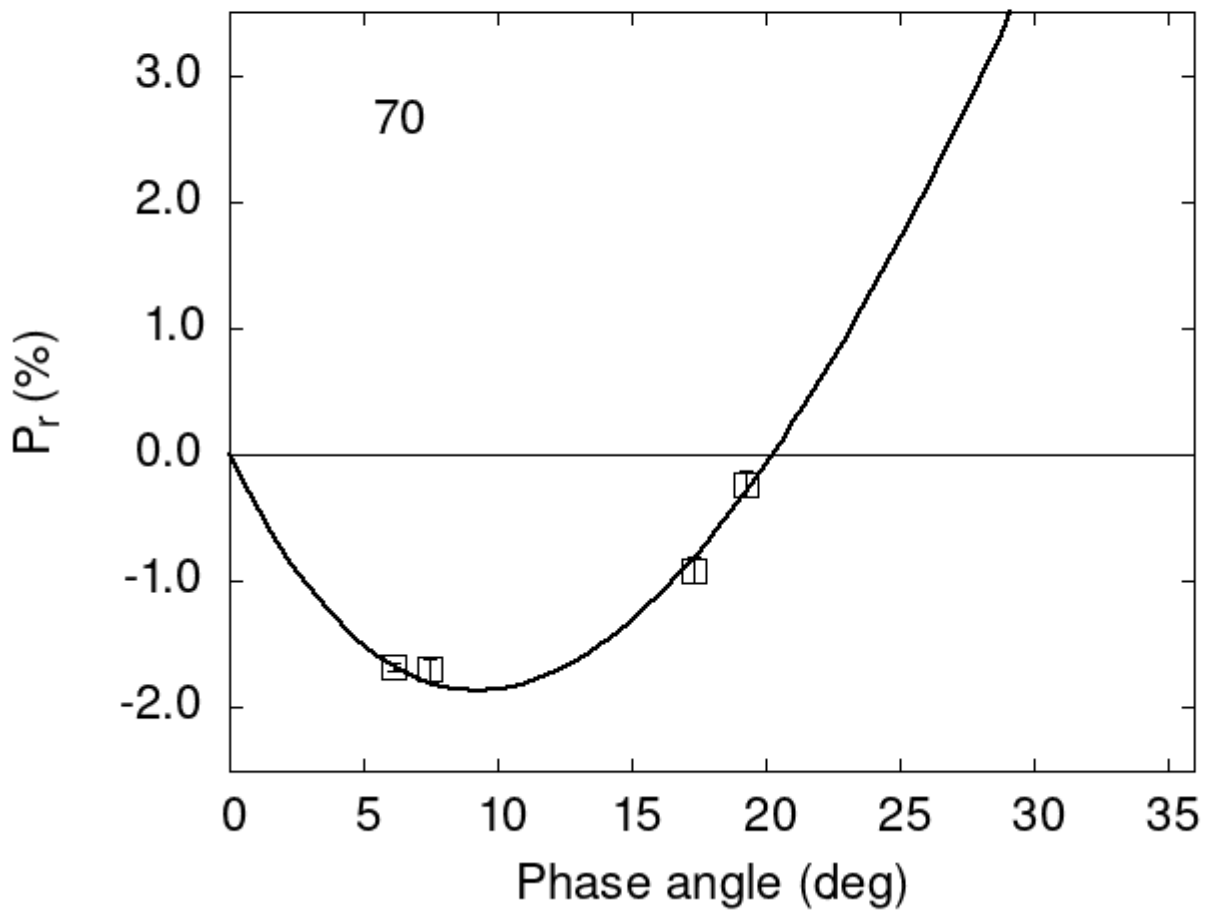


Catalogue of Asteroid Polarization Curves

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.

```
70  7.47  -1.70  0.09  V  f
70 17.34  -0.91  0.10  V  f
70 19.26  -0.23  0.10  V  f
70  6.11  -1.68  0.03  G  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
# 22.7115  0.7297  19.5988  0.4425  0.7223  0.0181
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      9.27  0.83 -1.864  0.356 20.25  0.13 0.3099 0.0224
```