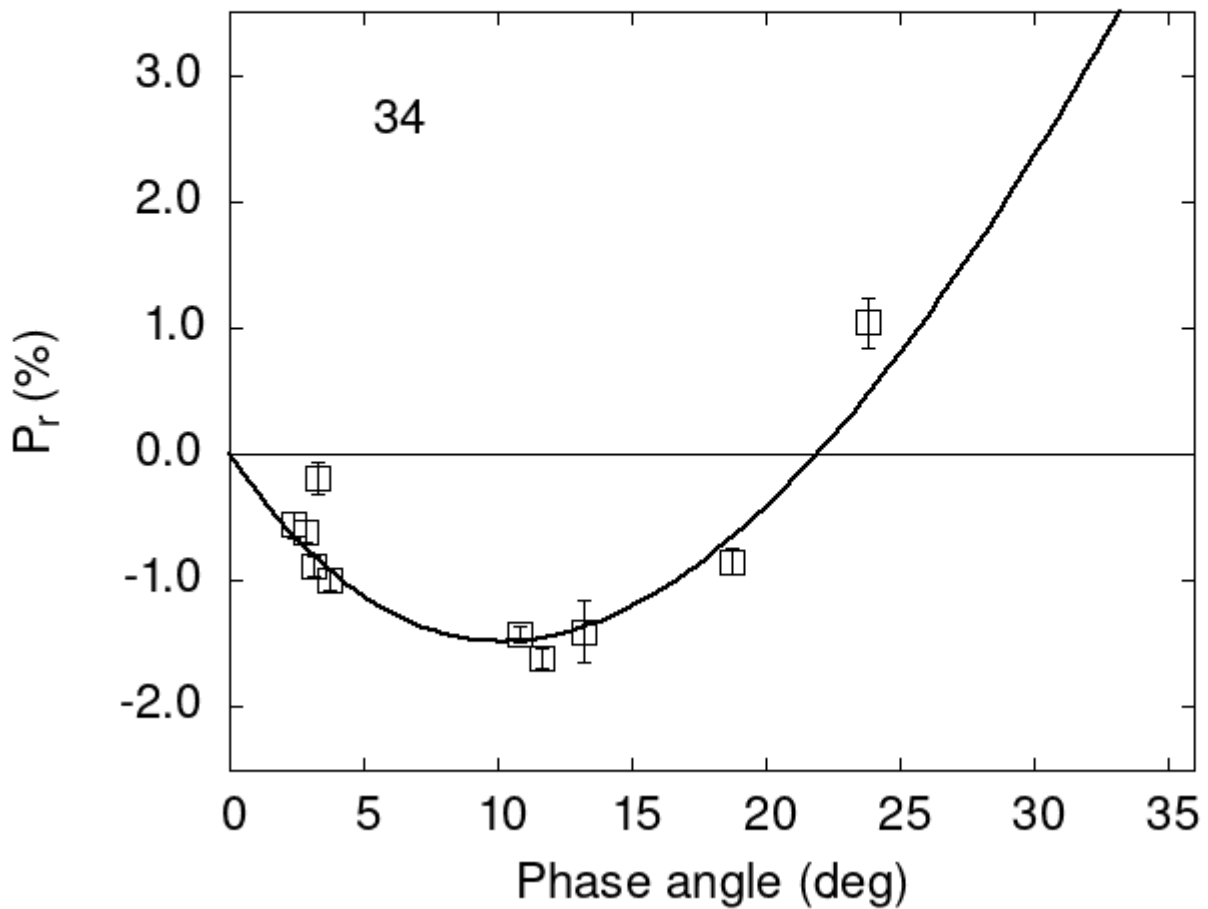


Catalogue of Asteroid Polarization Curves

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.

```
34  2.39 -0.56 0.11 V f
34  2.82 -0.61 0.09 V f
34  3.26 -0.19 0.13 V f
34 11.67 -1.62 0.08 V f
34 18.71 -0.85 0.10 V f
34  3.70 -0.99 0.09 V a
```

```

34 3.10 -0.88 0.08 V a
34 10.80 -1.42 0.06 V a
34 13.20 -1.40 0.24 V a
34 23.80 1.04 0.20 V h

```

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
# 23.4966  0.7779 25.1024  0.7956  0.6241  0.0206
#
#      Phmin  err  Pmin  err  Ph0  err  k      err
# 10.17  1.27 -1.480  0.390 21.92  0.17 0.2333 0.0244

```