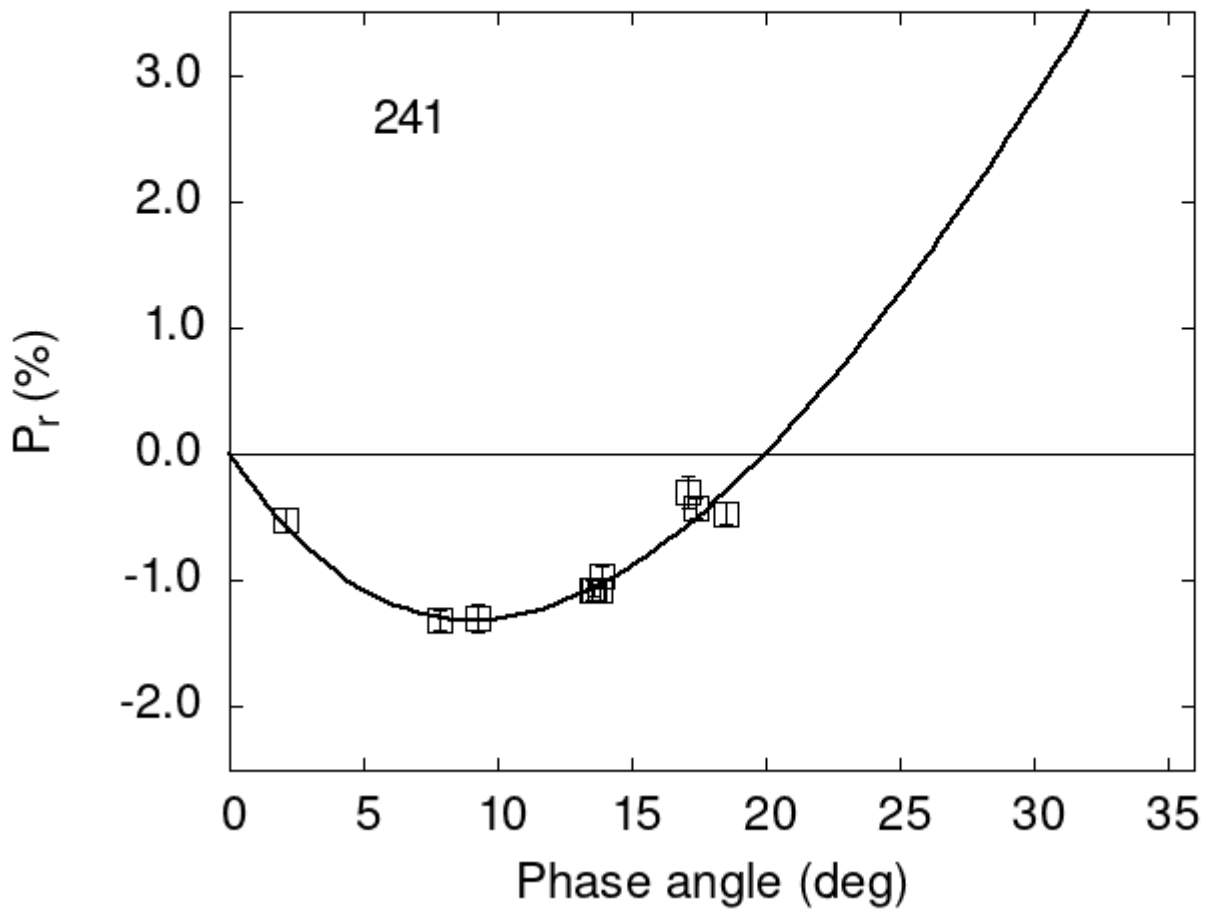


Catalogue of Asteroid Polarization Curves

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.

```
241  2.08 -0.52 0.09 V f
241  7.81 -1.31 0.08 V f
241  9.25 -1.30 0.11 V f
241 13.51 -1.08 0.08 V f
241 13.79 -1.08 0.08 V f
241 13.91 -0.97 0.09 V f
```

```

241 17.11 -0.30 0.13 V f
241 18.49 -0.47 0.09 V f
241 17.40 -0.42 0.08 V a
241 13.60 -1.08 0.05 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
# 13.9386  0.5675 17.6343  0.8125  0.4731  0.0184
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      9.05  1.07 -1.314  0.344 19.96  0.18 0.2182 0.0212

```