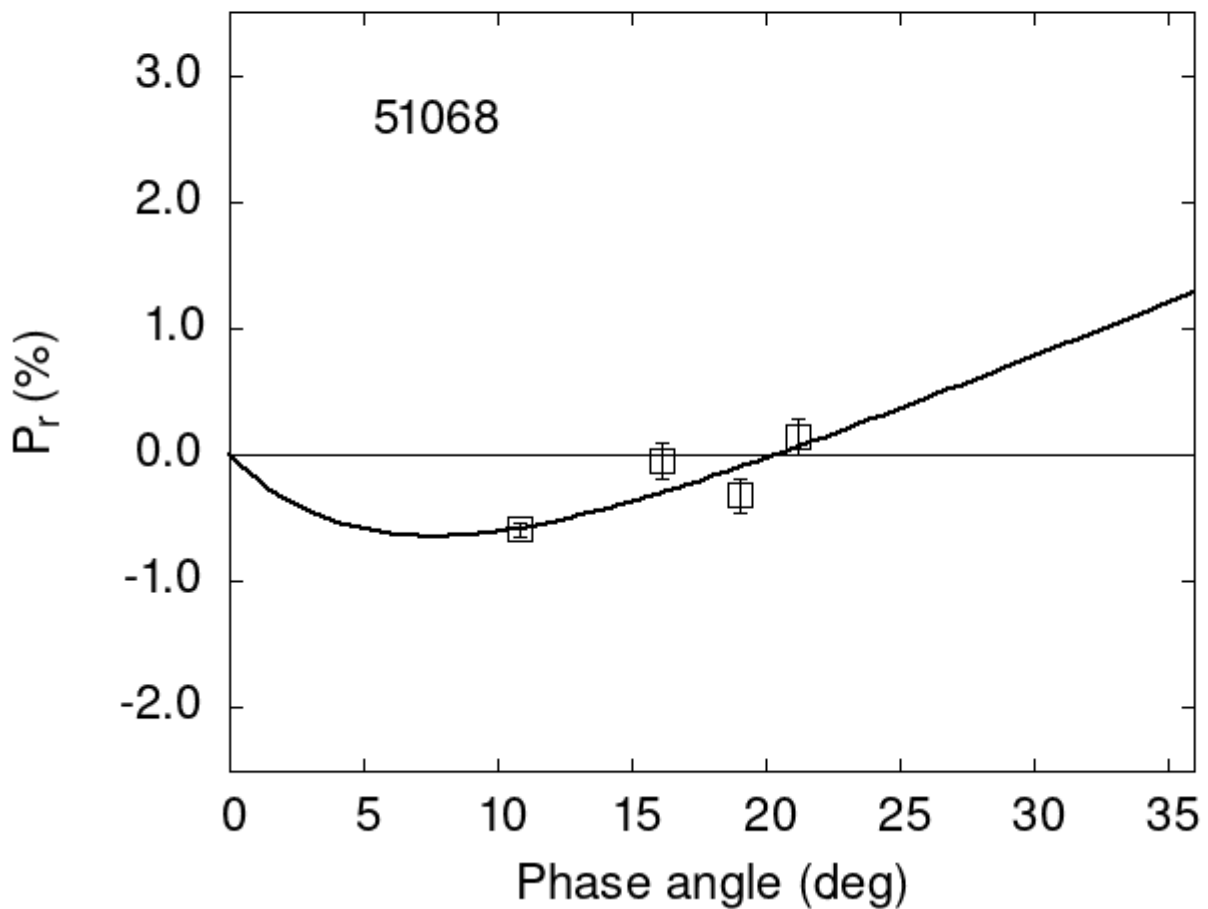


Catalogue of Asteroid Polarization Curves

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.

```
51068 21.24  0.14  0.14  V  a
51068 19.02 -0.32  0.13  V  a
51068 16.17 -0.05  0.14  V  a
51068 10.84 -0.59  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
#      1.8200      0.2859      6.1000      1.2234      0.0860      0.0130
#
#      Phmin      err      Pmin      err      Ph0      err      k      err
#      7.59      1.36 -0.643      0.261 20.42      0.53 0.0755 0.0140
```