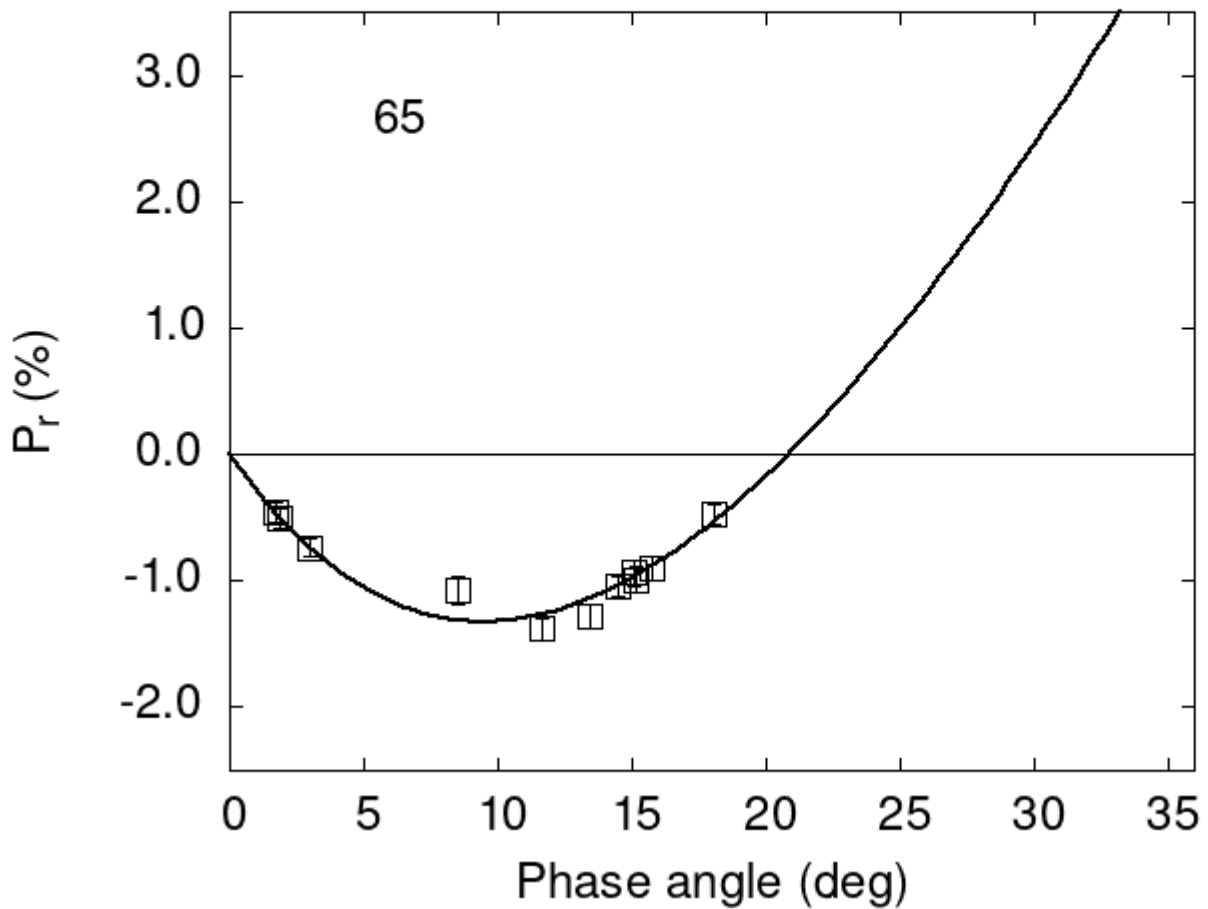


Catalogue of Asteroid Polarization Curves

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.

```
65  1.75 -0.46 0.08 V f
65  1.87 -0.50 0.08 V f
65 11.66 -1.38 0.09 V f
65 13.43 -1.28 0.10 V f
65 14.48 -1.04 0.08 V f
65 15.07 -0.94 0.10 V f
```

```

65 15.18 -0.99 0.10 V f
65 15.75 -0.90 0.09 V f
65 18.10 -0.47 0.08 V a
65 3.00 -0.74 0.07 V a
65 8.50 -1.07 0.11 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
# 15.0411  0.5649  19.2726  0.9406  0.4768  0.0135
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      9.50  1.02 -1.324  0.337 20.86  0.19 0.2123 0.0168

```