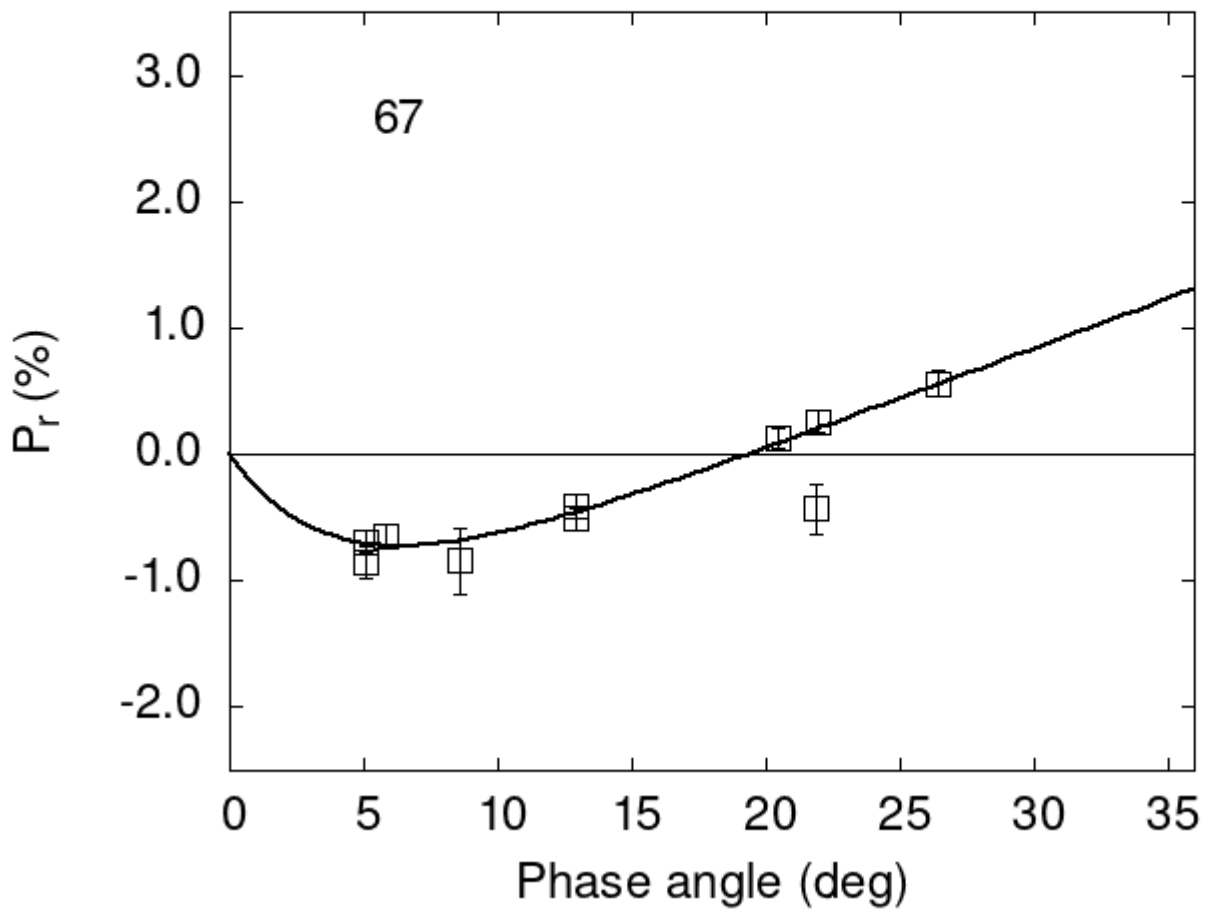


Catalogue of Asteroid Polarization Curves

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.

```
67  5.84 -0.65 0.09 V f
67 20.47  0.13 0.08 V f
67 21.90 -0.43 0.20 V f
67 21.95  0.26 0.09 V f
67 26.43  0.56 0.10 V f
67 12.90 -0.41 0.10 V a
```

```

67 12.90 -0.51 0.09 R a
67  5.10 -0.85 0.13 V a
67  5.10 -0.69 0.09 R a
67  8.60 -0.84 0.26 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
#      1.5495    0.4501    4.0475    1.6995    0.0793    0.0179
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      6.37    1.78 -0.723  0.431 19.37  0.53 0.0761 0.0186

```