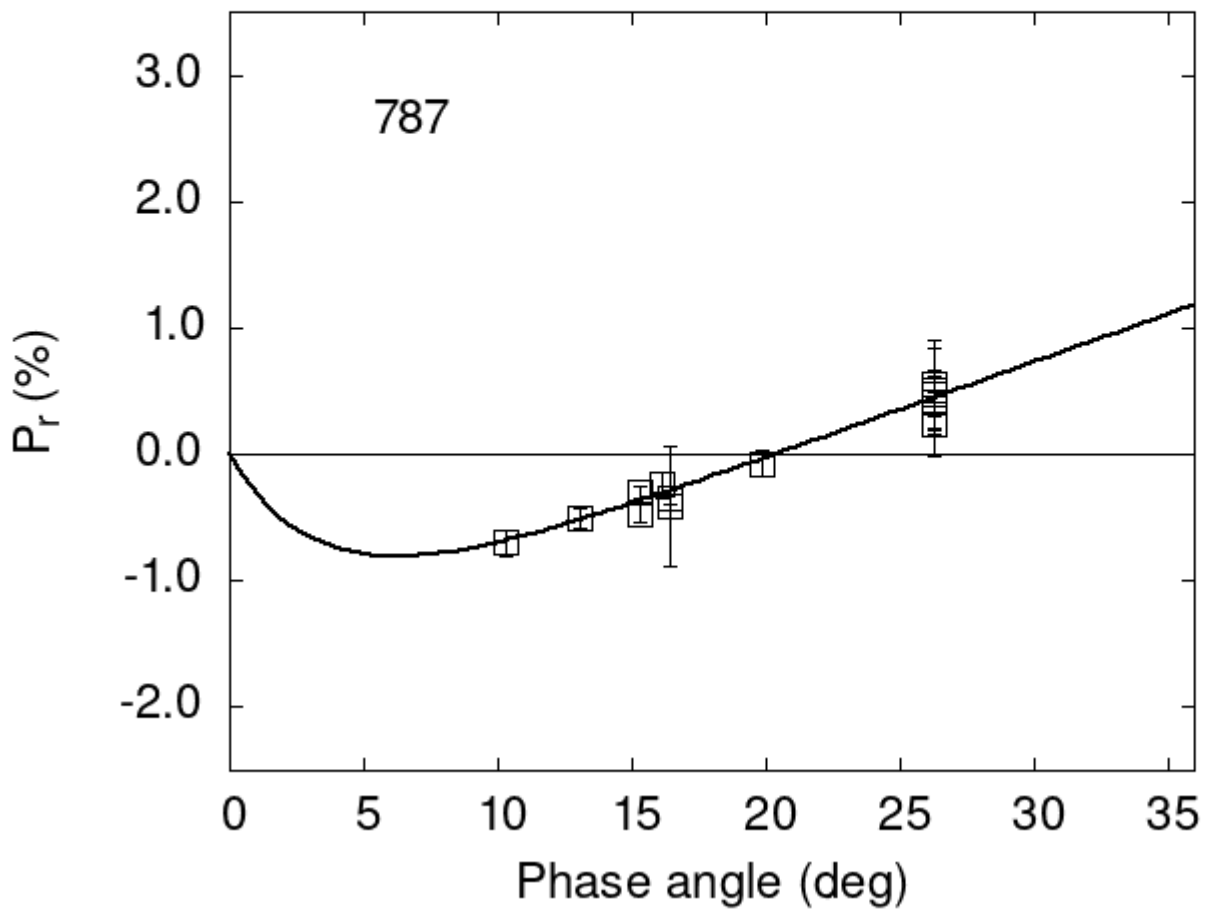


Catalogue of Asteroid Polarization Curves

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.

```
787 10.31 -0.70 0.10 V f
787 16.12 -0.24 0.10 V f
787 19.89 -0.07 0.10 V f
787 15.34 -0.47 0.07 V f
787 15.34 -0.30 0.05 R f
787 26.27 0.41 0.21 V f
```

```

787 26.27  0.48 0.17 R f
787 26.31  0.55 0.36 V f
787 26.31  0.48 0.18 R f
787 16.40 -0.34 0.06 V f
787 16.46 -0.41 0.48 V b
787 26.31  0.55 0.36 V b
787 26.31  0.48 0.18 R b
787 26.27  0.41 0.21 V b
787 26.27  0.48 0.17 R b
787 15.34 -0.47 0.07 V b
787 15.34 -0.30 0.05 R b
787 26.30  0.50 0.34 V b
787 26.30  0.24 0.25 R b
787 13.10 -0.51 0.08 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
#      1.5494    0.1186    3.5532    0.9695    0.0758    0.0060
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      6.22    0.83 -0.809    0.166 20.36    0.54 0.0744 0.0063

```