Catalogue of Asteroid Polarization Curves
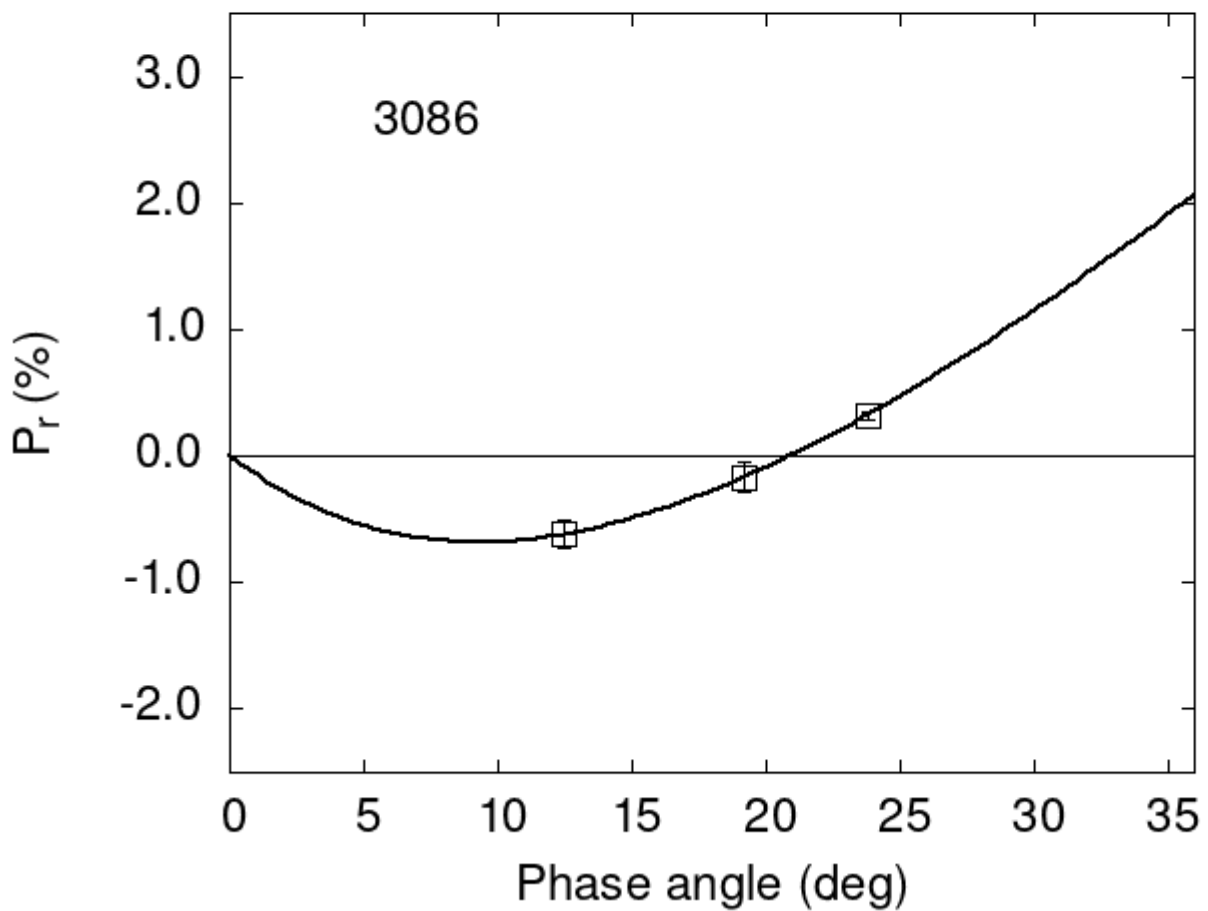
Gil-Hutton (2023)

Polarimetric data:

The columns list the object number, the phase angle (degrees), P_r (%), its error, the filter used, and the reference code.

```
3086 12.50 -0.62 0.11 V a
3086 23.80  0.32 0.03 V a
3086 19.20 -0.17 0.12 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
#    5.4314    0.2483   15.2085   1.8375    0.1939   0.0085
#
#     Phmin    err    Pmin     err   Ph0     err    k       err
#      9.29   1.20  -0.681   0.258  20.93   0.39 0.1037  0.0103
```