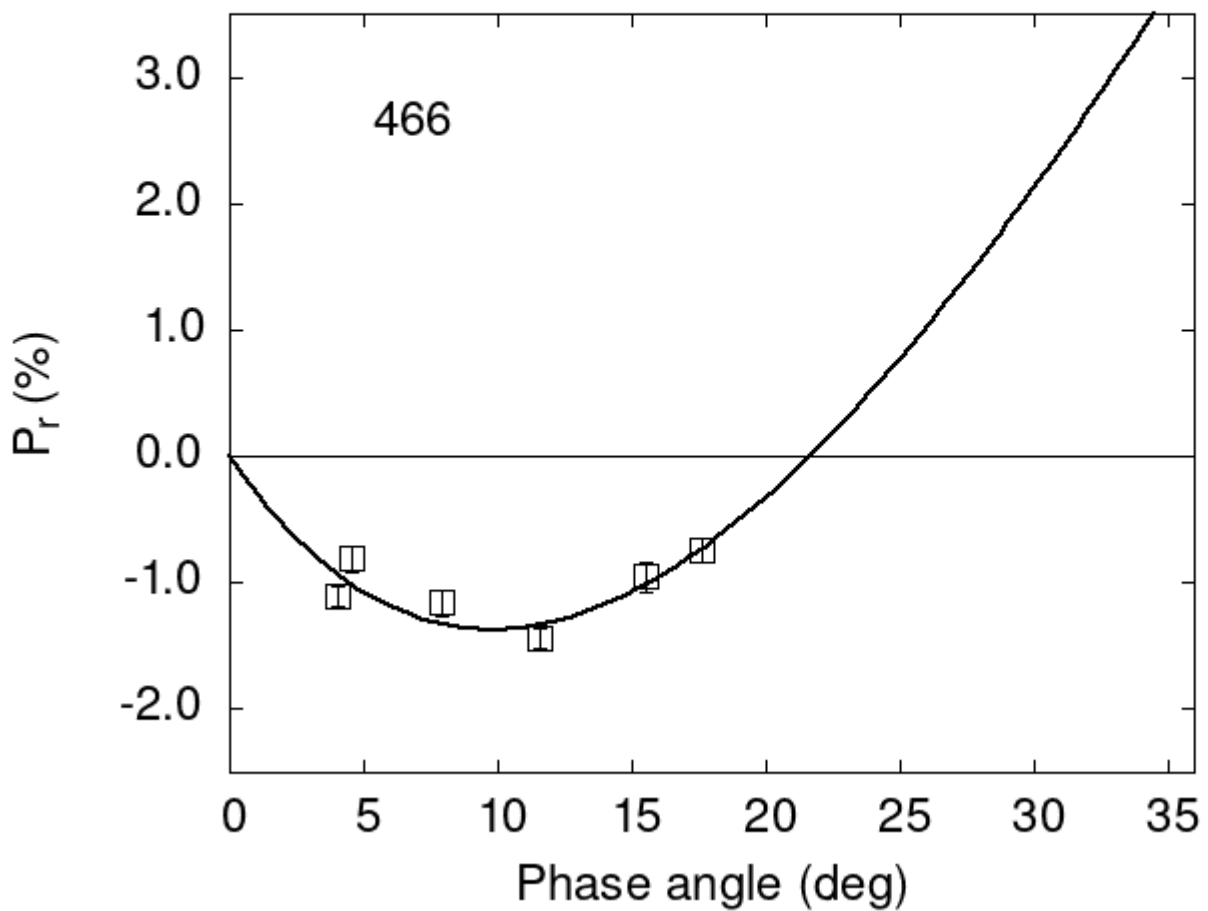


Catalogue of Asteroid Polarization Curves

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.

```
466  4.56 -0.81 0.10 V f
466  7.90 -1.16 0.10 V a
466 15.50 -0.95 0.12 V a
466 11.60 -1.44 0.08 V a
466 17.60 -0.74 0.09 V a
466  4.00 -1.11 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
# 13.8097    0.5549  18.4843    0.8063    0.4399    0.0216
#
#      Phmin   err   Pmin    err   Ph0    err    k      err
#      9.79   1.23 -1.372   0.363 21.67  0.19 0.2085 0.0235
```