From lightcurve observations for asteroids we can obtained information of rotational rate and delta magnitude of asteroids. Rotational rate and delta magnitude are basic information of asteroids.

McCord et al. (1970) showed that the visible spectrum of asteroid 4 Vesta and the surface of Vesta has a composition similar differentiated meteorites such as howardites, eucrites, and diogenites (HED) meteorites. Many asteroids with Vesta-like visible spectra which are usually called 'V-type asteroids' were found near Vesta orbit which was positioned between Vesta and the 3:1 mean motion resonance and nu6 secure resonance with Jupiter (Binzel and Xu 1993). The fact have suggested that most V-type asteroids are ejection fragments from Vesta and one of sources of HED meteorites are Vesta.

About 80 V-type asteroids are confirmed by spectroscopic method (Tholen 1984, Xu et al. 1995, Bus and Binzel 2002, Lazzaro et al. 2004). But the rotation properties of V-type asteroids are not enough studied. For search of distribution of rotation rates for chips of asteroid 4 Vesta, lightcurve observations of seventeen V-type asteroids were performed from 2003 fall.

In this meeting, we will show the lightcurve distribution of V-type asteroids and discuss the origin and formation age of V-type asteroids.