THE MODEL OF ZODIACAL LIGHT DERIVED FROM METEOR OBSERVATIONS;
V.V.Andreev, and O.I.Belkovich, Kazan University, Kazan, 420008, USSR.

The flux density distribution of sporadic meteoroids with masses greater than 10^{-3}g have been derived from an extrapolation of radar observation data. A random distribution of the argument of perihelion was taken into account. The distribution of meteor matter on heliocentric distance r as $n(r)^{-1.3}$ was accepted. The space density of the zodiacal light particles as a function of ecliptical latitude b was derived as

$$P(b) = \text{Const.} \exp\left(-b / 36.3^{\circ} \right).$$

It gives us a chance to make choise for model zodiacal light from ones given by Giese at al. (1).

1. Giese R.H., B.Kneissel, and U.Rittich (1986). Icarus, 68, 395-411.