

We observed the distribution in the large complex of the interrelated nests of *Formica polyctena* ant species on the locality Polánka near Mladá Vožice. In GIS we studied which factors affect spatial distribution of the *F. polyctena* anthills via diskriminant analysis. Totally we mapped 244 nests. The main factors affecting the distribution of ant nests are existence of open areas in the forest (paths and openings) and the position of another anthills. The anthills indicate the cluster spacing. Anthills in the openings are smaller than those in the highwood.