

Aitoff Projection Plots and Other Statistical Results for Stars in Volumes 1–4 of the Michigan Catalogue of MK Types for the HD Stars

N. Houk

University of Michigan

J. Sowell and S. Austin

Georgia Institute of Technology

Abstract.

The approximately 130,000 HD stars between declinations -90° and -12° have been classified on the MK system. This large, consistently classified database has been used to examine the distribution of the stars in galactic coordinates by using Aitoff equal area plots. Both normal stars, grouped by similar temperature and luminosity types, and peculiar stars of various types, will be displayed. The plots will be published in the *Astronomical Journal*, rather than in these Colloquium Proceedings.