IP1 Characteristics of our neighboring A-stars

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We have a project, under the aegis of the Nearby Stars (NStars) / Space Interferometry Mission Preparatory Science Program to obtain spectra, spectral types, and, where feasible, basic physical parameters for the 3600 dwarf and giant stars earlier than M0 within 40 parsecs of the Sun. There are 65 B-to-early-F stars among the first 664 stars analyzed in the northern hemisphere. With these we can start looking at statistics of Ap, Am, λ Bootis, and other A-type stars for an unbiased, volume-limited sample, and we can find out just how well we know our neighbors.

8 I: The A-star laboratory

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