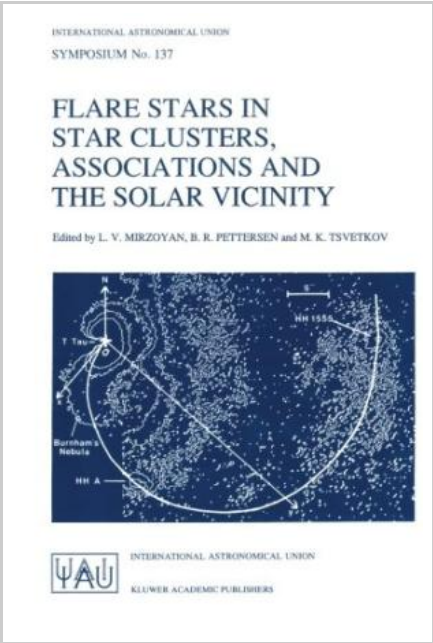

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Flare Stars in Star Clusters, Associations and the Solar Vicinity

By Mirzoyan, L. V. / Pettersen, B. R.

Book Condition: New. Publisher/Verlag: Springer Netherlands | Proceedings of the 137th Symposium of the International Astronomical Union Held in Byurakan (Armenia), U.S.S.R., October 23-27, 1989 | Proceedings of the 137th Symposium of the International Astronomical Union, held in Byurakan (Armenia), USSR, October 23-27, 1989 | Stellar flares represent one of the most challenging problems of contemporary astrophysics. Both solar and stellar observations have shown the flare phenomenon to be very complex, and in recent years important progress has been made from simultaneous observations over wide wavelength ranges. Some similarities exist between solar and stellar flares, but im portant differences have also been established. Such topics, as well as theoretical aspects, were discussed in detail at the Palo Alto IAU Colloquium No. 104, Solar and Stellar Flares, in 1988. Another approach to the study of stellar flares is through observations of flare stars in physical systems. The possibility of detecting flare stars in star clusters and associations with wide angle telescopes have allowed observations of systems with quite different ages. The classical works of G. Haro and V. A. Ambartsumian demonstrated the evolutionary nature of the flare phenomenon. Flares occur at the earliest stages of dwarf star evolution. The photographic observations...

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