conclusion

1. Conclusion

1.1. Summary of Contributions

My dissertation research significantly contributes to the study of star clusters, stellar populations, and star formation. Here, I summarize my work and outline my contributions to the field of astrophysics.

In Chapter 3 , I described the effort to construct a high quality sample of 2753 star clusters using imaging from the Panchromatic Hubble Andromeda Treasury survey . The catalog was assembled using 1.8 million image classifications contributed by thousands of volunteers as part of the Andromeda Project citizen science project. This effort built upon an initial, traditional visual search conducted by a group of professional astronomers presented in Chapter 2 , and provided the efficiency necessary to systematically search $\sim$ 0.5 deg^2 (totaling $\sim$ 7 gigapixels) of imaging data.

The PHAT cluster catalog is a well-characterized census of Andromeda's star cluster population, providing one of the best galaxy-wide samples to date. This catalog increases