NCAC Annual Meeting 2025

Mirek Giersz

Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences Warsaw, Poland mig@camk.edu.pl

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MOCCA UPGRADES and COLLABORATION PROJECTS

Last year we completed work on the MOCCA code, which is now able to simulate real globular clusters with multiple star populations.

While working on the MOCCA code, we also participated in many joint projects, which resulted in 7 peer-reviewed publications, 3 in the process of reviewing and 1 in the process of preparation for submission.

We mainly collaborated on projects that would allow us to determine, from a database of models, the parameters and histories of exotic objects in clusters and to compare the results with observations.

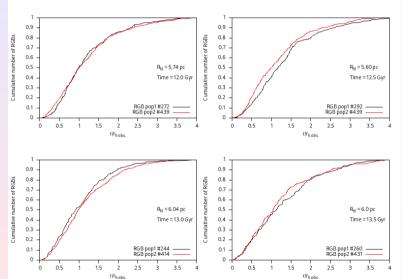
MOCCA Group with enormous help of CAMK's Administration, IT and PhD students organized annual international conference.

MODEST-24, Exploring Dense Stellar Systems Across Cosmic Time.

THANK YOU VERY MUCH FOR YOUR HELP!



Inverted ratio



Inverted ratio observed for 2 MWGCs (NGC3201 and NGC6101) by Letinger et al. 2023.

Confirmed for NGC 3201 by Cadelano et al. 2024.

Challenged by Mehta et al. 2024

