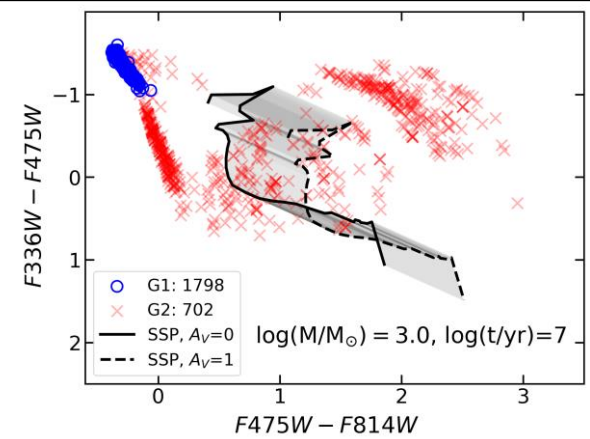
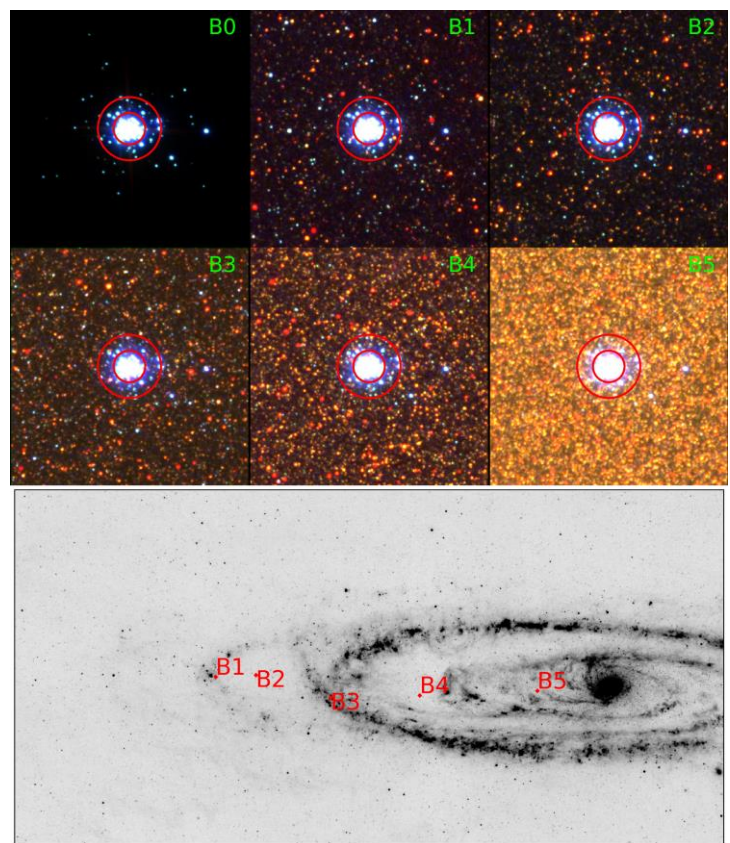


Limitations of aperture photometry for star cluster studies

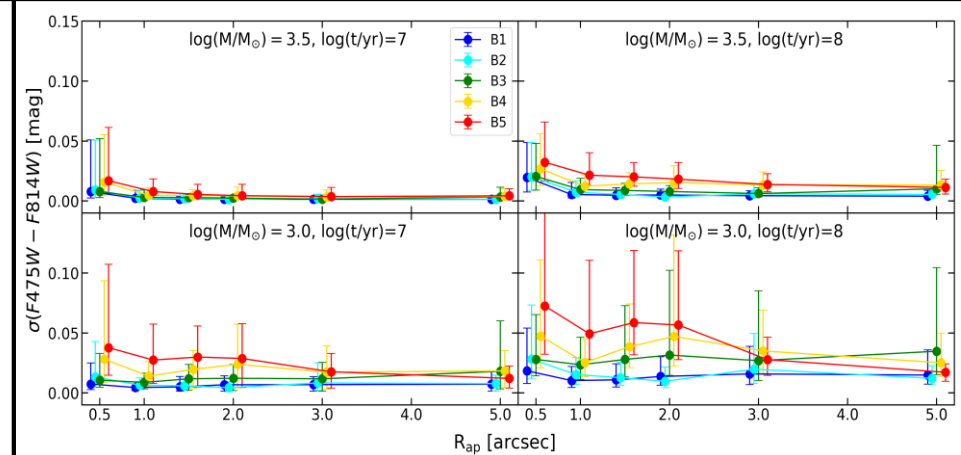
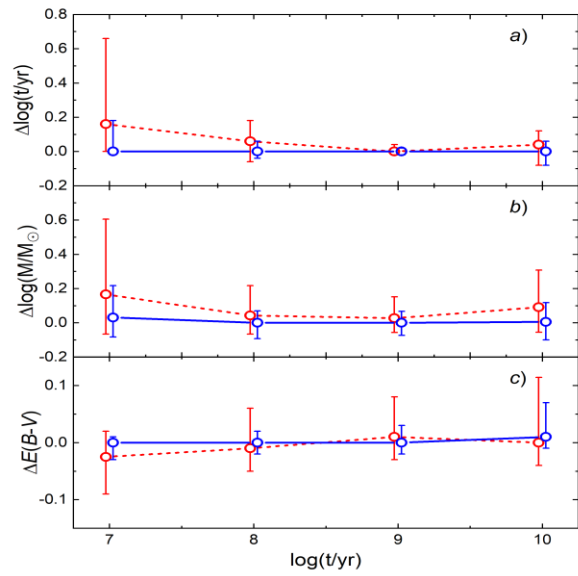
Karolis Daugevičius, Eimantas Kriščiūnas, Erikas Cicėnas, Rima Stonkutė, Vladas Vansevičius
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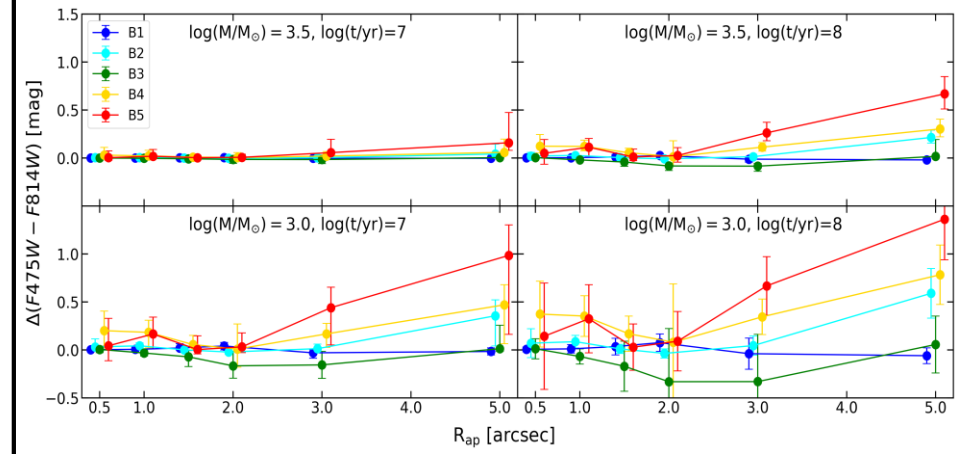
- **Aim:** to determine achievable accuracy and applicability limits of the aperture photometry for star cluster studies.
- We modelled realistic cluster images and placed them in different locations of M31.



Star clusters without (G1) and with (G2) post-MS stars.



Photometric accuracy gain is small for apertures larger than the cluster's R_h .



In (semi-)resolved fields, bright field stars introduce reddening effects.