

# STUDYING THE COLOUR-MAGNITUDE RELATION OF SIMULATED EARLY-TYPE GALAXIES

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**Abstract** / In this work we present preliminary results of the study of the colour-magnitude relation (CMR) of early-type galaxies at different redshifts ( $z$ ) in cosmological numerical simulations. Our analysis explores the evolution of that relation from  $z = 2$  to  $z = 0$ , selecting a sample of simulated objects that display properties observed in early-type galaxies of the Local Universe. These results represents the starting point of a project aimed at identifying the processes that originated the CMR at  $z = 0$ , performing a comprehensive comparison between simulated and observed early-type galaxies.

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