



Halo And Relic Predictor

Introduction

Sky surveys from astronomical radio telescopes provide vast amounts of images containing thousands of unclassified sources. This makes it impractical to classify them manually or with the computational resources that are commonly accessible or available. Consequently, analyzing and classifying images containing diffuse radio emissions, such as radio halos and radio relics, becomes challenging. To address this, we design a CNN-based tool to classify radio halos and relics in galaxy cluster images.









'Ang, K. M. et al (2022), Symmetry, 14(11), 2323'



'S. W. Duchesne et al (2021), PASA 38, 010'