ABSTRACT

Galaxy Morphology in the Digital Era

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A Galaxy Reconstruction Program (GREP) is to be described.   Using structural primitives related to galactic structural components, it is demonstrated that realistic galaxy images can be produced, By assigning spectral energy distributions to each of these primitives, the images can be mapped into other wavelengths and thereby viewed at alternate redshifts. This is essentaiIly a method for producing spatially resolved K-corrections for spiral galaxies,