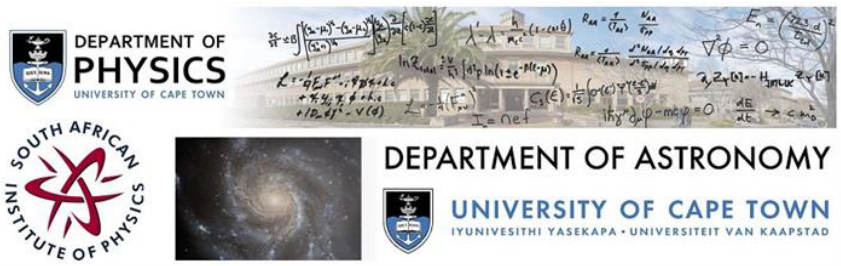

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The Virtual Observatory Tools and its benefits

Thursday, 7 July 2016 11:30 (20 minutes)

Abstract content
   (Max 300 words)
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The Virtual Observatory (VO) is an international astronomical community-based initiative. It aims to allow users to interrogate multiple data centres and services in a seamless and transparent way, to best utilise astronomical data. The main goal of the VO is to enable new science by making the huge amount of data presently on-hand easily accessible to astronomers. The VO initiative is a global collaboration of the world's astronomical communities under the International Virtual Observatory Alliance (IVOA). It is a collection of tools for accessing and visualizing multi-wavelength data that collectively provide a scientific environment, rather than a physical observatory. In this talk I will focus on the Visual Observatory tools such as Topcat, Aladin, VO-Splat.., and their uses to query astronomical catalogues, cross correlate catalogues to find objects at different wave bands , to visualise astronomical images, and to display spectral energy distributions obtained from different photometric data sets.

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