



BibCat: The Chandra Data Archive

S. Winkelman, A. Rots

CXC/Smithsonian Astrophysical Observatory

INTRODUCTION

The Chandra Data Archive (CDA) has been tracking publications in refereed journals and on-line conference proceedings that are based on Chandra observations since early in the mission. Over the years this database and its associated tools have expanded dramatically. In this paper we describe our newly renovated bibliography architecture with an emphasis on new features which have been added including: auto-scan capabilities to reduce in an automated fashion the number of papers which need to be manually classified and to flag keywords (such as observatory names or surveys) used within papers; multi-user classification allowing quality assurance checks; multi-observatory capabilities allowing multiple facilities to use the same database independently; and plug-in support allowing access to associated observatory data to more fully describe data links in papers.

The usefulness of some of these features speak for themselves, but others are not so obvious. As an example, we intend to use the multi-observatory functionality to apply separate classification schemes to papers relating to the CDA and the Chandra Source Catalog and potentially to other observatories at the Center for Astrophysics. The data mining aspects of the auto-scanning capabilities can be used for many purposes such as: improving searching for Chandra related papers from both ADS and our bibliography search pages or linking papers to grants for internal uses.

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