

Arches Outreach

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Arches at a Glance





• Just show nice pictures







And let people dream







- Goal & target
 - Making SEDs attractive for a wide audience
 - Kids, general audience, students
- Just show nice pictures







Arches Walker at a Glance

• Building a data corpus

- A set of object relevant for the Arches sciences
- Data sheets accessible to a large audience
- Browsing the EM spectrum
 - Using HIPs
- Making it available through different media
 - Post cards
 - ArchesWalker





Arches Walker, Data Corpus







Arches Walker, Remote Control







Demo









Apps III- Wednesday 14:50- 15:30 - Großer Saal

peaker	Title	Duration Materials
an Zolotukhir	VO-powered publication in Science magazine: discovery of the runaway mini-galaxies	12' + 3'
mar Laurino	The new Iris release	12' + 3'
aurent Michel	ArchesWalker	12' + 3' Screenshot for the demo
	A REAL PROPERTY AND A REAL	
	Discovering Clusters of Galaxies	
	Addive Balany Nucleil ZwCl 03 35 RXC NOC 5813	
	Clusters of Galaxies	
	Line Server Contract Server	
	Name And Address of the Owner	
	Arches Walker	





1. Selection of an object class (AGN, HMXB...)

- a. Getting a class description on demand
- b. Getting some outstanding fact about this class

2. Selection of some specific objects in the current class

- a. Getting a description of this object with a coloured composite image
- b. Getting a SED
- c. Browsing the neighbourhood of the object in various wavelengths.

















ARCHES Arches Walker, Implemented Commands

- Only 2 servlets
- Parameters are given by a basic parameter query language
 - o servlet?action=..&value=..&class=..&object=..
- The low number of implemented commands denotes the simplicity of the tablet interface

Target	Action	Parameter(s)	Servlet
Aladin	move	increment	./aladincontrol?action=move&
Aladin	zoom	increment	./aladincontrol?action=zoom&
Aladin	band	value on an arbitrary range	./aladincontrol?action=band&
Panel	show/hideDescription	class name (show)	./panelcontrol?action=description&
Panel	show/hideObject	class + object name (show)	<pre>/panelcontrol?action=object&</pre>
Panel	show/hideHugeness	class name (show)	/panelcontrol?action=hugeness&
Panel	show/hideSed	class name (show)	<pre>/panelcontrol?action=sed&</pre>



ARCHES Arches Walker, JSonP mechanism

• An issue almost as old as the printing business

- Separating content from layout
 - Applying the same layout to various content
 - Applying different layout the same content
- The content must remain easy to update
- The layout must remain easy to edit

Some standard solutions (non exhaustive)

- XSLT: need to go through XML documents
- JSP: need to keep within the JEE framework
- CMS: Need to keep within the CMS framework

• JSON5: A format for the content

- Structured enough
- Easy to edit by hand

• XHTML A layout format

- Easy to display on either browser or on a Java panel (FlyingSaucer: <u>https://xhtmlrenderer.</u> <u>java.net/</u>)
- Easy to parse (javax.xml. ...)





Arches Walker, JSonP mechanism







Arches Walker, Managing the

transparency







Arches Walker, Survey List







Arches Walker on the Web

- Making the data corpus available through a web application
 - Browsing a sample of objects
 - Explore different wavelength bands



