Research & Development at CDS

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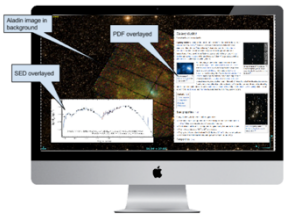
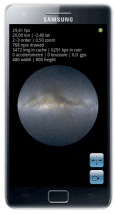
The CDS has a long tradition of Research and Development to improve its services and to integrate the new technologies which are interesting and which have a good chance to « survive ».

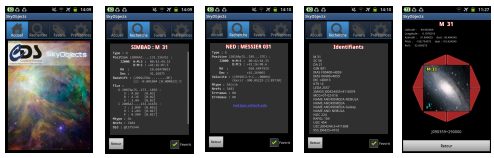
Mobile devices…

Aladin remote control with Arches Walker, an app, running on android..



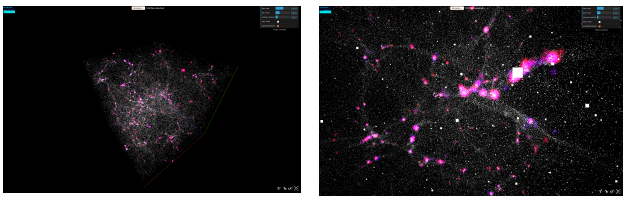


SkySurveys, a sky atlas for the navigation in HEALPix surveys, using OpenGL.

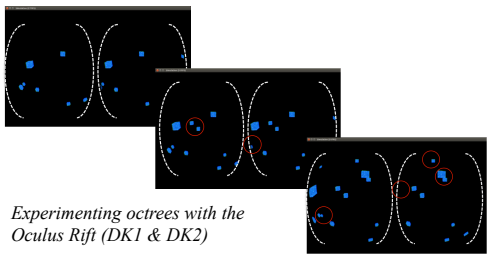


SkyObjects pointing to M31.
A small android app to retrieve basical information about astronomical objects through the name resolver and with a pointing capability (user interface in english or french).

Visualisation, Virtual Reality, …

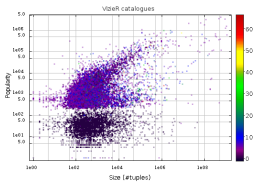


Visualisation with three.js / WebGL of simulation data



Experimenting octrees with the Oculus Rift (DK1 & DK2)

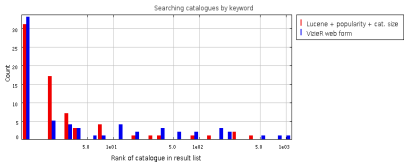
Information retrieval, text mining, …



Size and popularity of the VizieR catalogues used during the experiment

Set of 50 common keywords used to query in 70 relevant catalogues

2mass	iras	NOMAD	Kharchenko
2MASS	Tycho2	renson et al	parallax
hipparcos	cutri	temperature	abundance
usno	kharchenko	Salim	ic3
Hipparcos	gsc	houk	diameters
USNO	rosat	distance	MSX
IRAS	NVSS	nvss	Glushneva
ucac2	ucac	msx	Cutri
asce	SDSS	hip	bdc
tycho	henry	renson	UCAC2
nomad	gezari	radial velocity	nondiform
sdss	GSC	landolt	
veron	Tycho	RC3	



and also around Big Data (Hadoop, Spark), Log mining, clouds, etc.

For any question or collaboration, cds-question@unistra.fr

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