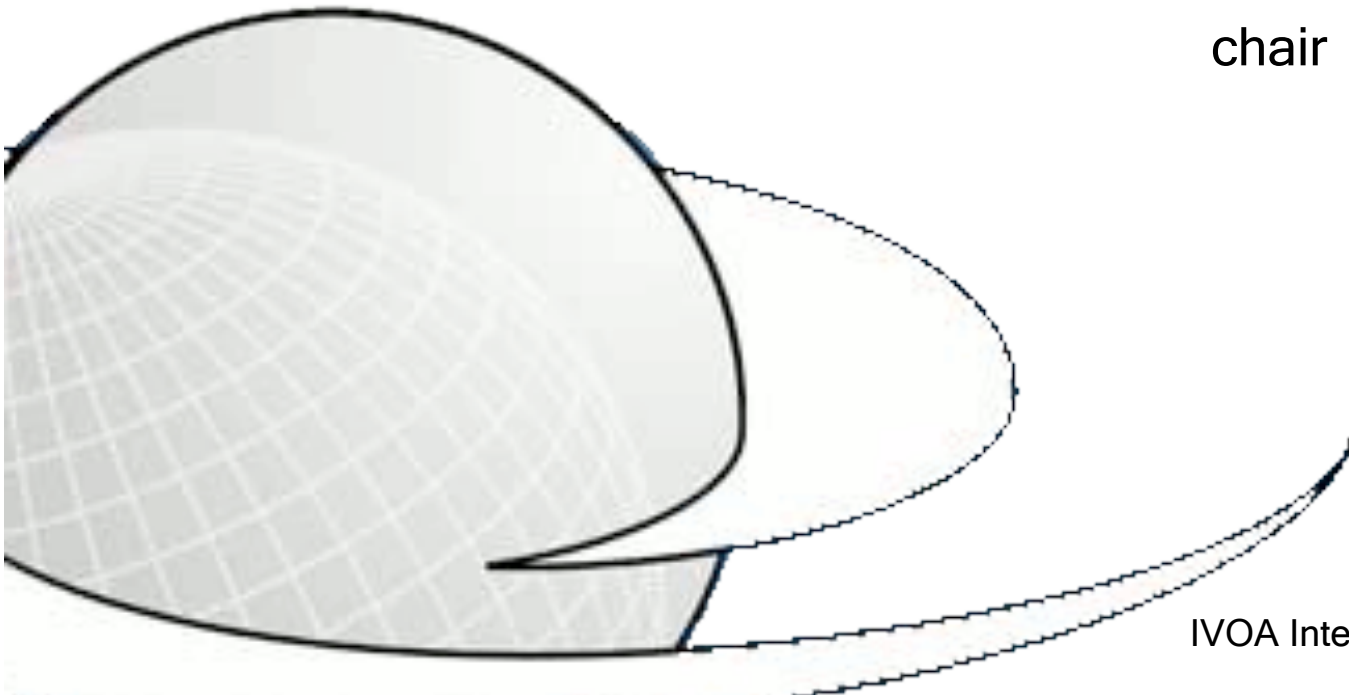
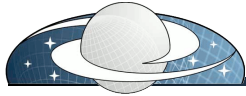


Reg 1: Search Interfaces

Ray Plante

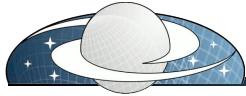
chair





Registry Interfaces v1.0

- Currently in RFC
 - to end Nov. 9
 - currently only one comment
 - Extend for one or two more weeks?
- Issues
 - Error in official WSDL: Search op parameter
 - Spec called it “max”; WSDL called it “to”
 - WSDL updated at www.ivoa.net/wSDL to match spec
 - All known implementations/clients have been updated
 - CLOSED
 - Noel Winstanley: ADQL/x
 - Any others?



RI Issues

- Noel Winstanley comment
 - The required, advanced constraint-based Search operation uses ADQL/x v1.0
 - “Is it sensible to base the main querying interface to registry on a 'dead' language?”
- Possible Solutions
 - Major - requires changes in impl., return to WD
 - Update in terms of ADQL v2
 - Minor
 - Make ADQL Search operation optional (like XQuerySearch)
 - “Adopt” ADQL/x v1.0 into RI
 - Others?

The case for the standard search interface



Why do we need a required search interface?

- Case in point: Topcat

Currently...

- contains interface window that lists all available ConeSearch services
 - implemented via a deprecated, non-standard NVO registry web service
 - Works, but cannot see newest services
- Applications need:
 - Not tied to one registry (configurable?)
 - A query that can be sent to any compliant registry to return needed resources
 - Supporting arbitrarily complex queries is probably not important
 - Most common: type of service (perhaps + keywords)
 - If our current ADQL search function is flawed, how should we fix it in a subsequent standard?



Alternate Search Approaches

- Gretchen Greene: TAP/VOTable interface to a registry
- Norman Gray/Noel Winstanley: AstroGrid techniques