VO-India Android Applications

Presented By

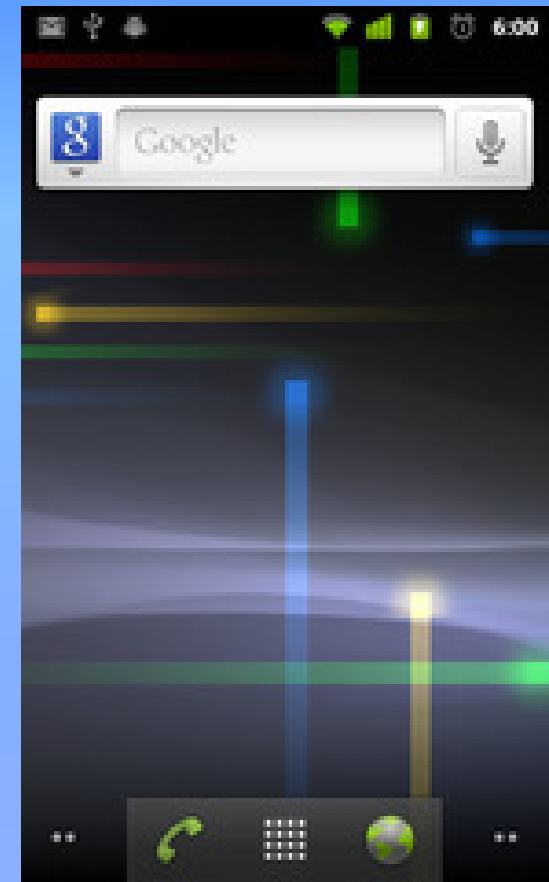Santosh Jagade & Aparna Joshi

VO-India

Highlights

- Introduction to Android

- Features of Android 2.2

- Introduction to Name Resolver

- Features of Name Resolver

- Introduction to Cosmology Calculator

- Features of Cosmology Calculator

- Upcoming Plans

Introduction to Android

- A software and O.S. for mobile devices.

- Developed by Google in 2005.

- In November 2005 funded by Open Handset Alliance (OHA).

- Android is under Apache Software License(ASL) version 2.

Features of Android

- Android is based on Linux kernel

- Allows to write managed code in java language

- Supports wireless communication

- It is end-to-end software platform for any number of hardware

- Large number of android users

Name Resolver

- User inputs celestial object name

- App returns RA/DEC plus some basic information associated with object

- Also returns redshift, proper motion & parallax (if available)

- It uses either **SIMBAD** or **NED** service

- Access default internet connection

Screen Layouts

Cosmology Calculator

- Stand alone application for android
- User inputs values for Hubble constant, Omega(matter), Omega(vacuum) and redshift.
- Output: Age of universe, co-moving radial distance, angular size distance, scale (kpc/arcsec) and luminosity distance etc.
- Supports flat, open & general type of universe
- Adapted from **Ned Wright's Cosmology Calculator**

Screen Layouts

VO-India on Android Market

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Future Plans

- Integration of Cosmology Calculator with Name Resolver

- Adding miscellaneous functionality

- Visibility Calculator for SALT??

Thank You

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