

PyLayers

www.pylayers.org



@PyLayers



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Multi-Standards Fast Indoor Radio Coverage

PyLayers is an open source Site Specific Radio Channel Simulator for Mobile Heterogeneous Networks The Framework gathers modules for Propagation, Communications, Mobility, Localization and Wearable Devices All modules can be used together or independently.

Main Features

- Fast Site Specific Radio Channel Simulator (Delays, DOA, DOD)

Multi Layers description of the Synthetic Environment

- Handling of various Radio Standards including Ultra Wide band
- Heterogeneous Networks
- Fast Indoor Radio Coverage
- Full Space Antenna Patterns Description

- Human Mobility Simulator
- Wearable and WBAN Networks
- Motion Capture C3D files
- Full Python code
- Open source GPL license

