



PyLayers

www.pylayers.org





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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 independently.

Main Features:

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

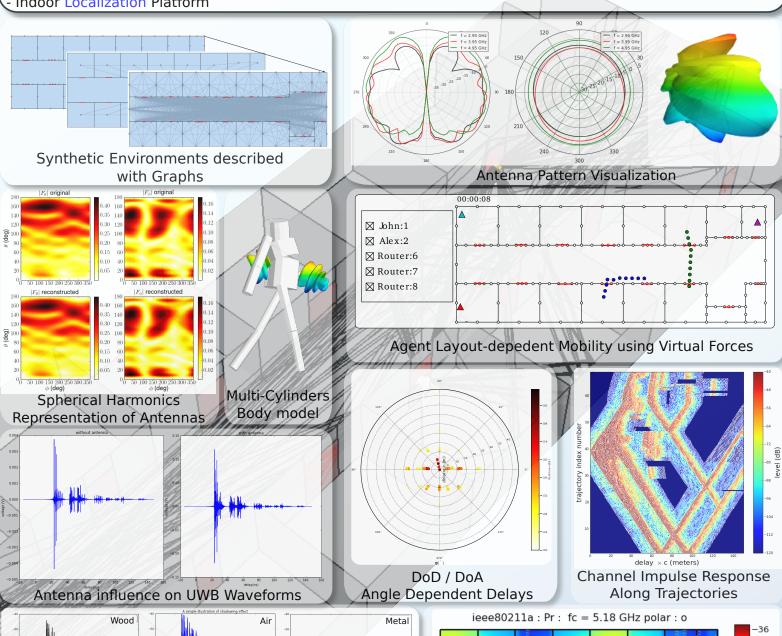
Multi Layers description of the Synthetic Environment

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

- Human Mobility Simulator
- Wearable and WBAN Networks

Multi-Standards Fast Indoor Radio Coverage

- Motion Capture C3D files
- Open source GPL license



Contributors and testers are invited to fork the project on Github https://github.com/pylayers/pylayers