MMODEL

modular modeling
framework
for science

modular
- DAG workflow

lightweight
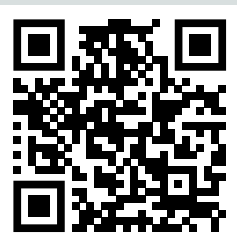- function as node

distributable
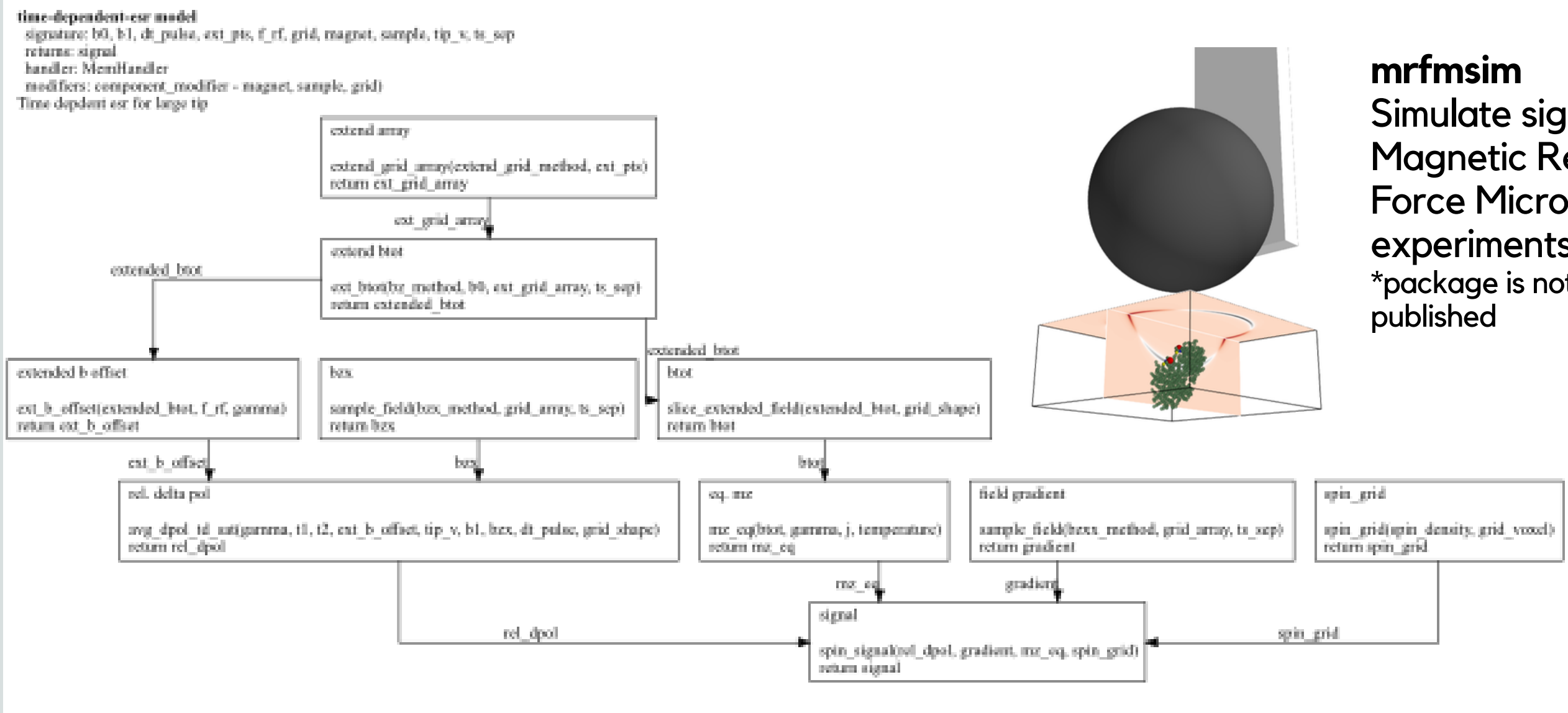- with graph or model

customizable
- wrapper as modifier

focus on issues in science groups:
- different programming proficiencies
- fast prototyping
- incomplete unittests

Peter Sun, John Marohn
Cornell University

mrfmsim
Simulate signals in
Magnetic Resonance
Force Microscope
experiments
*package is not yet published

Developer
1. define experiment graph
2. define functions and tests
3. link nodes with functions (model)
4. test model (experiment as a whole)

User
1. Execute model as a function
2. View model graph
3. Modify model or subgraph using modifiers

only step 2 - 4 needed for a experiment
with a different component