

SimSET future plans

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More realistic SPECT simulation

- Photon tracking SPECT collimator simulation
- Angular response function model for the collimator
- Multi-emission isotopes

Faster

- Extend importance sampling through the collimator
- Fictional interaction/delta tracking
- GPU implementation

General usability

- More flexible object space
 - No longer restrict the object space to a circular cylinder!
- Time varying activity (and attenuation?)
- Streamlined user interface
- Visualization tools
- Integration with STIR reconstruction tools
- Integration with NCAT/XCAT/MOBY/etc.

Encourage collaboration

- Public domain vs. open source?
- Support user additions to SimSET
- Open mailing list?

