

SimFx™

MRI Auditory Simulation Software

SimFx software simulates the ambient scanner sound and the active scanning noise of an authentic MRI environment. SimFx has the ability to play back up to four different sound files simultaneously. SimFx can also accept input from an experimental paradigm which can be used to simulate how the scanner synchronization pulse triggers an experiment.

Coupled with the MRI Simulator, SimFx allows you to recreate an effective, simulated MRI environment.



Ambient Sounds Include:

- Ambient Noise.wav White noise, static
- CryogenicPump.wav Noise from cryogenic pumps in the scanner room
- AmbientCryogenic.wav Ambient.wav and cryogenicpump.wav in one file

Scanner Sounds Include:

- GE_DTI.wav Diffusion Tensor Imaging Sequence
- GE_SE. wav Spin Echo Sequence
- GE_EPI.wav Echo Planar Imaging Sequence
- GE_GRE.wav Gradient Echo Sequence
- GE_SPGR.wav RF Spoiled Gradient Echo Sequence
- Siemens_DTI.wav Diffusion Tensor Imaging Sequence
- Siemens_Echo.wav Turbo Spin Echo Sequence
- Seimens_EPI.wav Echo Planar Imaging Sequence
- Siemens_Localizer.wav Patient Orientation Sequence
- Siemens_MPRAGE.wav Ultrafast Gradient Echo 3-D Sequence
- Siemens_PD-T2.wav Proton Density T2 Weighted Image Sequence

Ability to **add your own sound files** to SimFx

Supported file formats: .wav, .mpa, .mp2, .au, .aif, .snd, .wma

Compatible with Windows® XP, Vista, and 7



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