

The sound files in this folder are for the paper:

S. Krishnamurthy, B.C. Tuttle, and S.A. Rizzi, "Auralization of Unsteady Rotor Noise using a Solution to the Ffowcs Williams-Hawkings Equation," in Proceedings of the 75th Annual Forum, Vertical Flight Society, Philadelphia, PA, 2019.

Sound File Descriptions:

YHO_2HU_flyover_aperiodicF1ASynth_16bit.wav: Auralized sound at ground observer of straight and level flyover of YHO-2HU helicopter rotor synthesized as aperiodic source using F1A Synthesis.

Bell206B_pitchUpManeuver_16bit.wav: Auralized sound at ground observer of Bell 206B helicopter rotor performing pitch-up maneuver synthesized through F1A Synthesis.