

# The “Sounds” of Black Holes

*Acoustics Today*, Vol. 19, Iss. 2, pgs. 21-27



**Delilah E. A. Gates**    deagates@princeton.edu

*Gravity Initiative*

*Department of Physics*

*Princeton University*

*Princeton, New Jersey 08544, USA*

**Delilah E. A. Gates** is an associate research scholar at Princeton University, Princeton, New Jersey. She earned a BS in physics and in mathematics at the University of Maryland, College Park, College Park, Maryland, in 2015 and received her PhD from Harvard University, Cambridge, Massachusetts, in 2021. She is a theoretical physicist whose research focuses on studying observational signatures of spinning black holes by leveraging features of the space-time geometry and lensing of light around them. Outside of physics, Delilah enjoys poetry, board/card games, and decorating cakes.