

Sounds of the Universe: Acoustic Astronomy

By Dr. Fiorella Terenzi



Look at the stars. Can't you hear them? Dr. Fiorella Terenzi, is an astrophysicist, musician and professor of astronomy at Brevard Community College, Florida. Through Dr. Terenzi's ground breaking research we can now listen to the cosmos. This entertaining, informative multimedia lecture includes sounds from **radio galaxy UCG 6697, Crab and Vela pulsars, the Sun, Saturn, Jupiter, star HD4993 and star 181420, Earth, big bang, quasars and an x-ray black hole.** Learn what sounds can tell us about the Universe, and hear the instrumental harmonies created with the help of celestial bodies as we extend our human senses into the cosmos. Dr. Terenzi brings to life an ACOUSTIC UNIVERSE where each celestial object is now recognized thru its acoustic signature.

BIO: Internationally renowned astrophysicist, author and recording artist, Dr. Fiorella Terenzi has a doctorate in physics from the University of Milan. In research at the Computer Audio Research Laboratory, University of California, San Diego, she pioneered techniques to convert radio waves from galaxies into sound - released by Island Records on her acclaimed CD "Music from the Galaxies". Her award-winning CD-ROM "Invisible Universe" and best-selling books "Heavenly Knowledge", "Musica Dalle Stelle", "Der Kosmos ist weiblich" weaves astronomy and music, science and art into a tapestry for the senses. She has appeared on CNN, The Wall Street Journal, People, Time, Glamour and lectured at UCSD, Stanford, MIT.

Wall Street Journal "Now, thanks to Fiorella Terenzi, an astrophysicist and musician, stargazers can peek through a telescope, glance at the Milky Way and listen to the cosmos. ... Initially, Dr. Terenzi kept acoustic astronomy to herself. But now she turned performer, and Earth people are tuning in."

Time Magazine: Another practitioner on the rise is Italian astrophysicist, Fiorella Terenzi, who has been described as a cross between Madonna and Carl Sagan. Terenzi has used radio telescopes to intercept radio waves from a galaxy 180 million light-years away, then fed them into a computer, applied a sound-synthesis program to convert her data into music and produced "Music From the Galaxies". Result: part New Age, part Buck Rogers sound track, played on an oscilloscope

Setup Requirement:

Audio/Video connection for computer to mixer/Pre Amplification and video projector, vocal microphone.

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