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THEORIES OF THE BRANE: LISA RANDALL [2.10.03]

Additional spatial dimensions may seem like a wild and crazy idea at first, but there are powerful reasons to believe that there really are extra dimensions of space. One reason resides in string theory, in which it is postulated that the particles are not themselves fundamental but are oscillation modes of a fundamental string.



(temporarily offline)

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LISA RANDALL is a professor of physics at Harvard University, where she also earned her PhD (1987). She was a President's Fellow at the University of California at Berkeley, a postdoctoral fellow at Lawrence Berkeley Laboratory, and a junior fellow at Harvard before joining the MIT faculty in 1991. Between 1998 and 2000, she had a joint appointment at Princeton and MIT as a full professor, and she moved to Harvard as a full professor in 2001. Her research in theoretical high energy physics is primarily related to exploring the physics underlying the standard model of particle physics. This has involved studies of supersymmetry and, most recently, extra dimensions of space.

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