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Penelope Maddy* (pjmaddy@uci.edu). *How Applied Mathematics Became Pure.*

This talk traces the evolution of thinking on how mathematics relates to the world – from the ancients, through the beginnings of mathematized science in Galileo and Newton, to the rise of pure mathematics in during the nineteenth century. The goal is to better understand the role of mathematics in contemporary science. (Received September 21, 2007)