

*Bullitt Lecture at the University of Louisville*

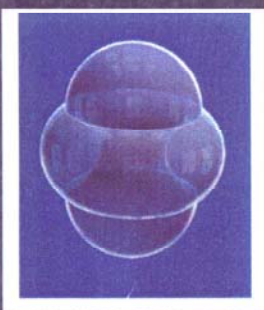
# THE DOUBLE SOAP BUBBLE BREAKTHROUGH

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APRIL 26, 1996  
7:00 P.M. - 8:00 P.M.

COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION BUILDING,  
ROOM 106



*In 1884 mathematicians proved that a single round soap bubble is the most efficient shape for enclosing a given volume of air. Only last year could mathematicians finally prove that the familiar double soap bubble, formed when two identical single bubbles come together, is the most efficient shape for two equal volumes of air. The story has two remarkable features: The proof was by computer. Much of the relevant theory came from undergraduate research.*

