

Abstract Submitted
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Does the Innsbruck experiment prove nonlocality? LEWIS LITTLE — It is demonstrated that the proposed Theory of Elementary Waves¹ offers an explanation of the famous “Innsbruck Experiment”² that is strictly local, thus providing an exception to the frequently drawn conclusion that the experiment definitively proves the existence of nonlocality/entanglement. Arriving at a definite conclusion will require further experimentation.

¹Lewis E. Little, *The Theory of Elementary Waves*, New Classics Library, Gainesville, GA, 2009.

²Gregor Weihs, Thomas Jennewein, et. al., “Violation of Bell’s Inequality under Strict Einstein Locality Conditions,” *Phys. Rev. Lett.* **81**, 5039 (1998).

Lewis Little

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