

Abstract Submitted  
for the APR13 Meeting of  
The American Physical Society

**Teichmuller Space Resolution of the EPR Paradox** FRIEDWARDT  
WINTERBERG, University of Nevada, Reno — The mystery of Newton's action-  
at-a-distance law of gravity was resolved by Einstein with Riemann's non-Euclidean  
geometry, which permitted the explanation of the departure from Newton's law for  
the motion of Mercury. It is here proposed that the similarly mysterious non-local  
EPR-type quantum correlations may be explained by a Teichmuller space geometry  
below the Planck length, for which an experiment for its verification is proposed.

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Date submitted: 19 Dec 2012

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