

# ON THE PLASTICITY OF NONLOCAL QUANTUM CORRELATIONS

*K. Svozil*

Institute for Theoretical Physics,  
Vienna University of Technology  
(*Wiedner Hauptstrasse 8-10/136,*  
*A-1040 Vienna, Austria;*  
*email: [svozil@tuwien.ac.at](mailto:svozil@tuwien.ac.at),*  
*URL: <http://tph.tuwien.ac.at/~svozil>*)

## S u m m a r y

The quantum correlations of two or more entangled particles present the possibility of stronger-than-classical outcome coincidences. We investigate binary correlations of quanta with spin one, three-half, and higher in a state satisfying a uniqueness property in the sense that knowledge of an outcome of one particle observable entails the certainty that, if this observable were measured on the other particle(s) as well, the outcome of the measurement would be a unique function of the outcome of the measurement performed. We also investigate correlations of four particles with spin one-half.