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Kari Eifler* (keifler@math.tamu.edu). *Variations of the Graph Isomorphism Game.*

Non-local games give us a way of observing quantum behaviour through the observation of only classical data, and there are several different mathematical models to consider. The graph isomorphism game is an important example of a synchronous non-local game in quantum information theory, and it has been well studied. I will discuss variations of the Graph Isomorphism Game as well as applications. (Received September 11, 2019)