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Christmas-Saucon Hall, 14 E. Packer Ave., Bethlehem, PA 18015. *Proper and rainbow paths and cycles.*

An edge-colored path or cycle will be called *proper* if no two consecutive edges receive the same color and *rainbow* if every edge receives a distinct color. In this talk, we will discuss conditions on edge-colored graphs for the existence of rainbow and properly colored paths and cycles. (Received March 19, 2010)