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Waterloo, ON N2L 3G1, Canada. *On transversal problems.*

Let G be a graph with a fixed vertex partition. A transversal of G with respect to the given partition is a set of vertices consisting of exactly one vertex from each partition class. One can ask for conditions on G that will guarantee the existence of a transversal T with various properties, for example T is independent, or has maximum degree at most d , or has no component with more than c vertices, etc. We discuss a number of such problems. (Received September 20, 2007)