1035-60-589 **Roger B. Nelsen*** (nelsen@lclark.edu), Department of Mathematical Sciences, Lewis & Clark College, MSC 110, Portland, OR 97219-7899. *How close are pairwise and mutual independence?* Preliminary report.

Using the technique of finding bounds on sets of copulas with particular properties, we compare the distribution of an n-dimensional ($n \geq 3$) vector of continuous pairwise independent random variables to the distribution of a similar vector of mutually independent random variables. We examine the $n = 3$ case in detail, and provide asymptotic results in the general case. (Received September 11, 2007)