Bob Davis and Hugh N Howards*, Dept of Math, Wake Forest Univ, Winston-Salem, NC 27109, and Jonathan Newman and Jason Parsley. Convex Brunnian links in higher dimensions.

Howards generalized a result of Freedman and Skora from dimension 3 to show that no Brunnian link of any dimension can be constructed using round spheres, and furthermore, the Borromean rings are the only Brunnian link (of dimension 3) that can be built using three convex components. This paper proves that convex Brunnian links exist for every dimension $n \geq 3$ by constructing explicit examples. These examples are three-component links which are higher-dimensional generalizations of the Borromean rings. (Received August 01, 2011)