

1135-VU-3219 **Peter Sparks*** (peter.sparks@marquette.edu). *Generalized Dunce Hats Do Not Have The Double Collapsible Property.*

We show that no generalized dunce hat can be decomposed into two collapsible subpolygons whose intersection is also collapsible. This is related to the notion of the *double n -space property* of a contractible open n -manifold: M has the double n -space property if M can be written as the union of two euclidean n -spaces meeting in a third euclidean n -space. (Received September 27, 2017)