

1117-51-497

Eric Burgess* (ericdb@gmail.com), 219B Buchanan Terrace, Decatur, GA 30030. *Encoding knotted surfaces in $\mathbb{C}P^2$ with triple grid diagrams.*

A *triple grid diagram* is a grid diagram (i.e., a square grid with exactly two marks in each row and column) with the additional requirement that each slope-1 diagonal (considering the grid as a torus) also has exactly two marks. Such a diagram encodes three links which, following Meier and Zupan, specify a bridge trisection of a knotted surface. (Received January 19, 2016)