## Some Properties of Cut Locus of a Flat Torus

Authors: Pakkinee Chitsakul<br>Abstract : In this article, we would like to show that there is no cut point of any point in a plane, but there exists the cut locus of a point in a flat torus. By the results, we would like to determine the structure of cut locus of a flat torus.<br>Keywords : cut locus, flat torus, geodesics<br>Conference Title : ICMCSSE 2014 : International Conference on Mathematical, Computational and Statistical Sciences and Engineering<br>Conference Location : Bangkok, Thailand<br>Conference Dates : December 24-25, 2014

