

1125-VE-1451 **Iwan Praton*** (iwan.praton@fandm.edu), Department of Mathematics, Franklin & Marshall College, Lancaster, PA 17604. *Minimal tilings of the unit square.*

Tile the unit square with n smaller squares and compute the sum of the side lengths of the small squares. We determine the minimum value of this sum for each $n \neq 2, 3, 5$. (Received September 16, 2016)