

1067-65-1181 **James M Rath*** (ratjamm@alum.mit.edu), PO Box 7923, Austin, TX 78713. *Approximate worm blankets using segmented worms.*

A method is proposed for computing approximate blankets for Moser's worm problem. Candidate blankets have been found that are smaller than any known blanket. The method discretizes placement maps, functions that describe where a worm fits on a particular blanket. The method can be extended to constructing worm houses in three or more dimensions. (Received September 19, 2010)