

1105-51-307

**Stephen J Kleene\*** (skleene@gmail.com), 8 Blackstone blvd #1, Providence, RI 02906, and  
**Niels Martin Møller**. *Non-compactness of moduli spaces of finite topology embedded minimal surfaces.*

In joint work with Niels Martin Møller, we show that the space  $M(k, g)$  of embedded minimal surfaces with  $k$  ends and genus  $g$  is non-empty when  $k = 4$  by explicitly constructing a family of degenerating surfaces. Time permitting, we discuss analogous constructions for general  $k$ . (Received September 23, 2014)