1167-05-24   **Yichao Chen*** (`ycchen@hnu.edu.cn`), College of Mathematics, SuZhou University of Science and Technology, Suzhou, jiansu 215009, and **Xuhui Peng** and **jinliang Zhang**. *Limits for embedding distributions.*

The enumeration for embedding distribution of a graph has received a lot of attention over the past 30 years. Here we study the asymptotic embedding distributions for some families of graphs. We prove that, under some commonly observed conditions, the embedding distributions of an H-linear family of graphs with spiders is asymptotic to a normal distribution. We also prove that the limit for the Euler-genus distributions of a sequence of graphs is the same as the limit for the crosscap-number distributions of that sequence. (With J. Zhang and X. Peng) (Received January 31, 2021)