

1114-54-129

Natsumi Oyamaguchi* (natsumi.3-29.math@diary.ocn.ne.jp), 1-1 Daigaku-cho, Yachiyo City, Chiba 276-0003, Japan. *Enumeration of Prime Flat Vertex 2-Bouquet Graphs with up to Seven Crossings*. Preliminary report.

We previously enumerated all prime 2-bouquet graphs with six crossings or less up to flat vertex isotopy. We can construct all such graphs from 2-string tangles, and distinguish the resulting graphs by computing their Yamada polynomials. Using the same technique, we will provide an additional enumeration of prime flat vertex 2-bouquet graphs with up to seven crossings. (Received August 24, 2015)