

1158-57-145

**Kanako Oshiro\*** (oshirok@sophia.ac.jp) and **Natsumi Oyamaguchi**. *Dehn colorings and vertex-weight invariants of spatial graphs.*

we introduce Dehn colorings for spatial graphs, and give a family of spatial graph invariants that are called vertex-weight invariants. We give some examples of spatial graphs that can be distinguished by a vertex-weight invariant, whereas distinguished by neither their constituent links nor the number of Dehn colorings. (Received February 28, 2020)