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**Kanako Oshiro\*** (oshirok@sophia.ac.jp) and **Natsumi Oyamaguchi**  
(p-oyamaguchi@mailg.shumei-u.ac.jp). *Goeritz invariants and Dehn colorings of spatial Euler graphs.*

We construct Goeritz matrices of spatial graph diagrams whose vertices are of even valency, and show that the equivalence classes of them are invariants of spatial graphs. We also discuss a relationship between Dehn colorings and Goeritz matrices for spatial graphs. (Received September 13, 2021)