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Tomo Murao* (tmurao@aoni.waseda.jp), Waseda University, 1-6-1 Nishi-Waseda, Shinjuku, Tokyo 169-8050, Japan. *On constituent links of genus 2 handlebody-knots and associated multiple conjugation quandle colorings.*

A handlebody-knot is a handlebody embedded in the 3-sphere. A constituent link of a genus 2 handlebody-knot H is the spine of two solid tori obtained from H by removing an open regular neighborhood of a separating essential disk in H . In general, a genus 2 handlebody-knot has infinite constituent links. In this talk, we characterize constituent links of a genus 2 handlebody-knot in terms of associated multiple conjugation quandle colorings and demonstrate some examples. (Received September 17, 2021)