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**Atsushi Ishii\*** (aishii@math.tsukuba.ac.jp). *The Markov theorem for spatial graphs and handlebody-knots.*

We introduce a relationship between spatial graphs and handlebody-knots. A spatial graph (resp. handlebody-knot) is a graph (resp. handlebody) embedded in the 3-sphere. The Markov theorem for handlebody-knots is established. The Markov theorem for spatial graphs is also established as an application of the theorem for handlebody-knots. (Received August 13, 2015)