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Hyoungjun Kim* (kimhjun@korea.ac.kr), 102-1202 15-20 Shinbanporo16-gil, Seocho-gu, Seoul, 137800, South Korea. *The bipartite intrinsically knotted graphs with at most 22 edges.*

A graph is intrinsically knotted if every embedding contains a knotted cycle. It is known that intrinsically knotted graphs have at least 21 edges and that the KS graphs, K_7 and the 13 graphs obtained from K_7 by ∇Y moves, are the only minor minimal intrinsically knotted graphs with 21 edges. This set includes exactly one bipartite graph, the Heawood graph. In this talk we classify the intrinsically knotted bipartite graphs with at most 22 edges. (Received August 12, 2015)