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**Jin Ho Kwak\*** (jinkwak@postech.ac.kr). *Enumeration of orientable coverings of a non-orientable manifold.*

In this talk, we discuss the known V.A. Liskovets problem on the number of orientable coverings over non-orientable manifold with an arbitrary finitely generated fundamental group. The number of cyclic orientable and non-orientable coverings is also discussed. (Received September 03, 2013)