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Yo'av Rieck* (yoav@uark.edu), Math department (301 SCEN), 1 University Dr, Univeristy of Arkansas, Fayetteville, AR 72701, and **Yasushi Yamashita**. *The Link Volume*.

We introduce the link volume, a 3-manifold invariant that measures how efficiently a 3-manifold can be represented as a branched cover of S^3 . Some of the basic properties and open questions about the link volume will be stated. (Received January 25, 2011)