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Colin Adams* (cadams@williams.edu), Bronfman Science Center, 18 Hoxsey St., Williamstown, MA 01267. *Hyperbolic volumes and generalized augmented alternating links.*

Adding trivial “vertical” components bounding twice-punctured disks to an alternating projection is known to yield a hyperbolic link. These augmented alternating links have proved useful in a variety of applications. Here, we generalize so that the disks can be n -punctured. This has applications to both volume bounds and to explicit volumes of links. (Received January 14, 2015)