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Colin C. Adams* (cadams@williams.edu), Bronfman Science Center, Williams College,
Williamstown, MA 01267. *Quasifuchsian Spanning Surfaces in Knot Complements.*

Hyperbolic knot complements are known to sometimes possess totally geodesic (aka Fuchsian) Seifert surfaces. When they do, one can say a lot about what must be true of various related geometric invariants associated to the knot complement. However, such totally geodesic Seifert surfaces are rare. On the other hand, quasifuchsian Seifert surfaces exist in any nonfibered knot complement. Results known for Fuchsian surfaces are extended to the quasifuchsian case. (Received March 03, 2008)