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Kenneth Baker* (kb@math.gatech.edu), School of Mathematics, 686 Cherry Street, Georgia Institute of Technology, Atlanta, GA 30332, and **Cameron Gordon** and **John Luecke**. *Creating small Seifert fiber spaces by Dehn surgery on knots in S^3* . Preliminary report.

We overview the known bounds on distances of exceptional surgeries on hyperbolic knots in S^3 and discuss progress towards the outstanding case of small Seifert fiber spaces. (Received September 11, 2007)