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**Jun Ling\*** ([lingju@uvsc.edu](mailto:lingju@uvsc.edu)), Department of Mathematics, UVSC-mail Stop 261, 800 W University Pkwy, Orem, UT 84058. *A Comparison Theorem and A Sharp Bound via the Ricci Flow*. Preliminary report.

We prove a comparison theorem and a sharp bound for the compact surfaces with negative Euler characteristic via the Ricci flow. (Received March 10, 2008)