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Andrew J Harder* (aharder@ualberta.ca), 632 CAB, University of Alberta, Edmonton, Alberta T6G 2G1, Canada. *K3 fibrations on Calabi-Yau threefolds and Landau-Ginzburg models of Fano threefolds*. Preliminary report.

Calabi-Yau threefolds can be constructed as smoothings of unions of pairs of blown-up Fano threefolds. It is well known that this construction should be related to K3 surface fibrations on the mirror Calabi-Yau threefold. I will describe in several cases how mirror Calabi-Yau threefolds can be constructed from the Landau-Ginzburg models of the Fano threefolds with which we began. (Received September 22, 2014)