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Yanghui Liu* (liu2048@purdue.edu), 3350 Peppermill DR, west lafayette, IN 47906, and **Samy Tindel**, IN. *Numerical approximation for rough differential equations*. Preliminary report.

We review some classical results on numerical approximations for Itô stochastic differential equations. Then we consider the Euler scheme and other numerical schemes for the general rough differential equations. We end the talk with a discussion on the relation between numerical approximations and weighted limit theorems. (Received January 13, 2019)