1112-60-55 **Asaf Cohen*** (asafc@umich.edu), 517 Little Lake Dr., Ann Arbor, MI 48103, and **Erhan Bayraktar**. *Risk Sensitive Control of the Lifetime Ruin Problem.* Preliminary report.

We study a risk sensitive control version of the lifetime ruin probability problem. We consider a sequence of investments problems in Black-Scholes market that includes a risky asset and a riskless asset. We present a differential game that governs the limit behavior. We solve it explicitly and use it in order to find an asymptotically optimal policy. (Received July 10, 2015)