1117-37-483   **Federico Bonetto*** (`bonetto@math.gatech.edu`), 686 Cherrty St, ATLANTA, GA 30332. *Kac Particles Interacting With a Thermal Bath.*

We consider a system of particles interacting via random collisions. The system interact with a thermal bath that bring it to equilibrium at a given temperature. We consider different models for the thermostat, both finite and infinite, and discuss their relations. (Received January 19, 2016)