

1119-60-20

Janos G. Englander* (janos.englander@colorado.edu), 5527 Homestead Way, Boulder, CO 80301, and **Renming Song** and **Yanxia Ren**. *Weak extinction versus global exponential growth of total mass for SPDE's and super-Brownian motions.*

We study the behavior of the total mass for a class of SPDE's which describe the density (in one-dimension) of certain super-Brownian motions. In higher dimensions this still makes sense, although there are no weak functional solutions any more – the solutions will be distribution-valued.

This is joint work with Renming Song (Urbana) and Yanxia Ren (Beijing University). (Received January 11, 2016)