$\lambda^2 = 2$

Density
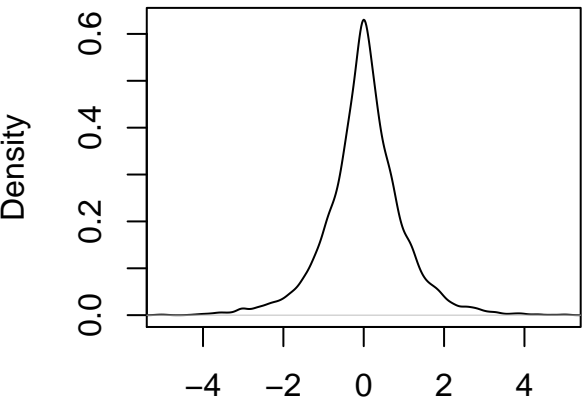
N = 5000   Bandwidth = 0.1203