So  $r \to 0$ So  $r \to 0$ So  $r \to 0$ Lim P ( sup | Y(t/(y(0) - Y(0) - t'VY(0))  $\oplus$   $t \to 0$   $t \to 0$ 

P(W(Br(6)), Y(0)>V)

Thermore On The event Y(0) > V,  $t(Ty(0) \in t/V$ .

Description

Sup  $|Y(t/Ty(0)) - Y(0)| - t^T \frac{\nabla Y(0)}{Y(0)} - \frac{1}{2}t^T \frac{\nabla^2 Y(0)}{Y(0)}t|$   $t \in Bolow) B_N(0)$   $t \in Sup |Y(t/TV)| - Y(0)| - t^T \frac{\nabla Y(0)}{TV}| - \frac{1}{2}t^T \frac{\nabla^2 Y(0)}{V}t|$ 

> (Sup 14/thv) - 4(0) - t7 (7)(0) - 2t (2)(0) t/ tebolar) >n,

M(Br(6)), Y(0)>V.)