



## Parameter sweep

SW1  
 Sim=DC1  
 Type=log  
 Param=Ib  
 Start=10n  
 Stop=10m  
 Points=101

## dc simulation

DC1

## Equation

Eqn1  
 $I_c = -V1.I$   
 $Beta = I_c / I_b$   
 $Beta\_vs\_I_c = PlotVs(Beta, I_c)$

## Equation

Eqn2  
 $Beta\_0 = diff(I_c, I_b)$