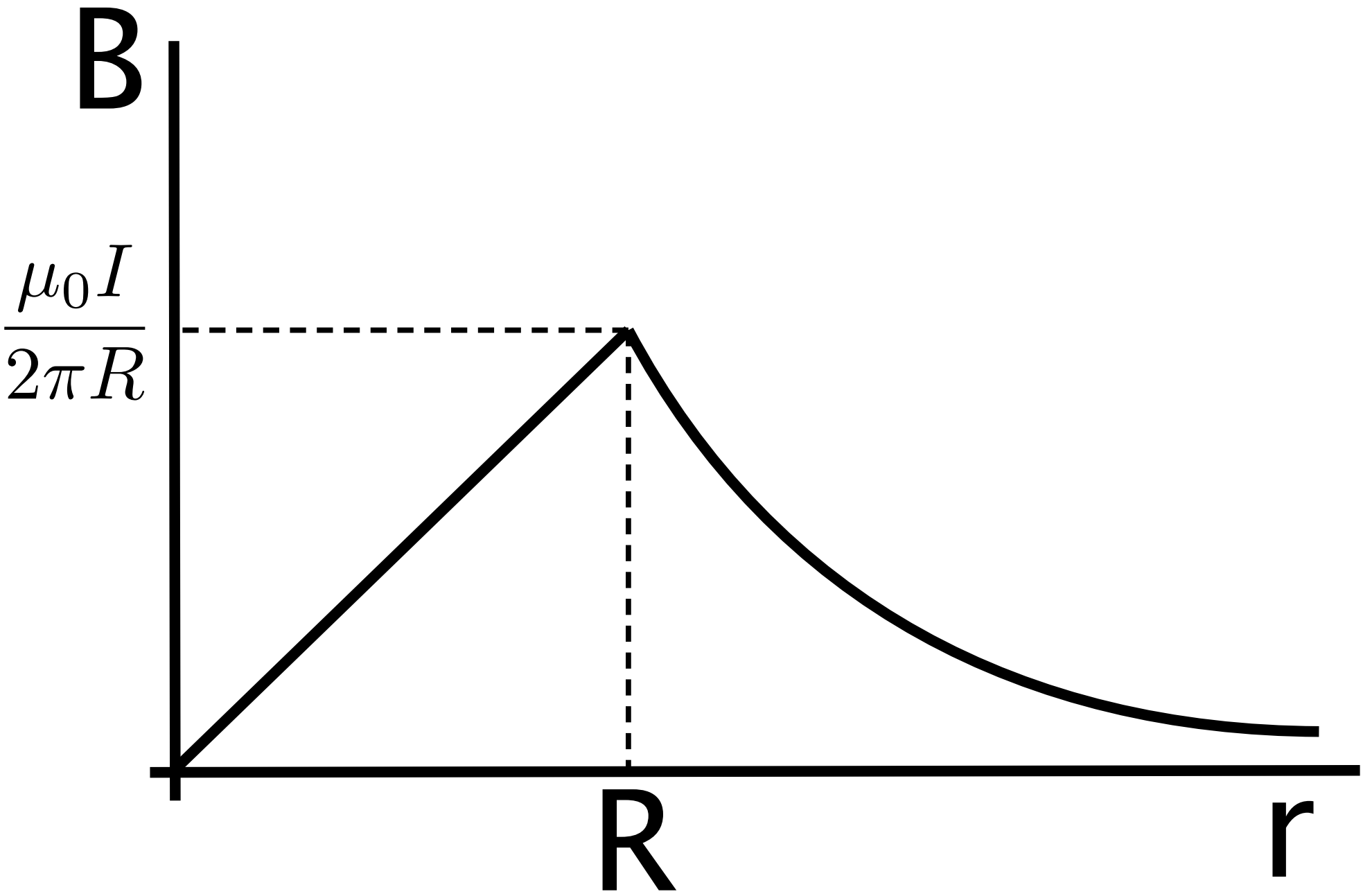
B
$\frac{\mu_0 I}{2\pi R}$
R
r