A

C_S

R

(C)

(B)

Region of
detectability
$I_C > 1$

Gradients
not detectable
$I_C = 1$

confined
gradients

shallow
gradients

B ballistic encounters

$$I_C = (S / R)^2$$

$\lambda > S > R$

C diffusive encounters

$$I_C = S / R$$

$\lambda < R < S$