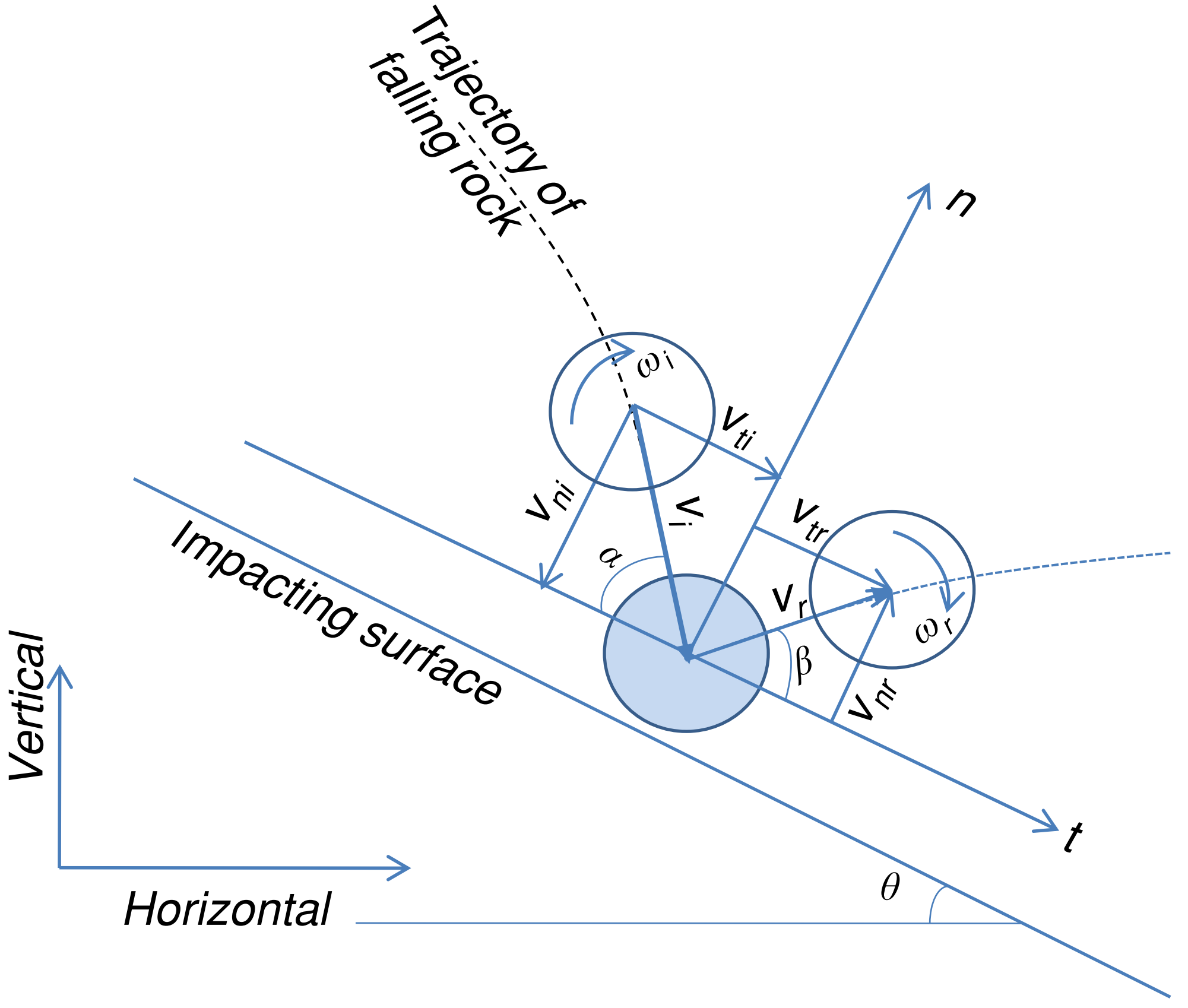
Trajectory of falling rock
n
ω i
v ti
v ni
v i
α
v tr
v r
ω r
β
v nr
Impacting surface
t
Vertical
Horizontal
θ