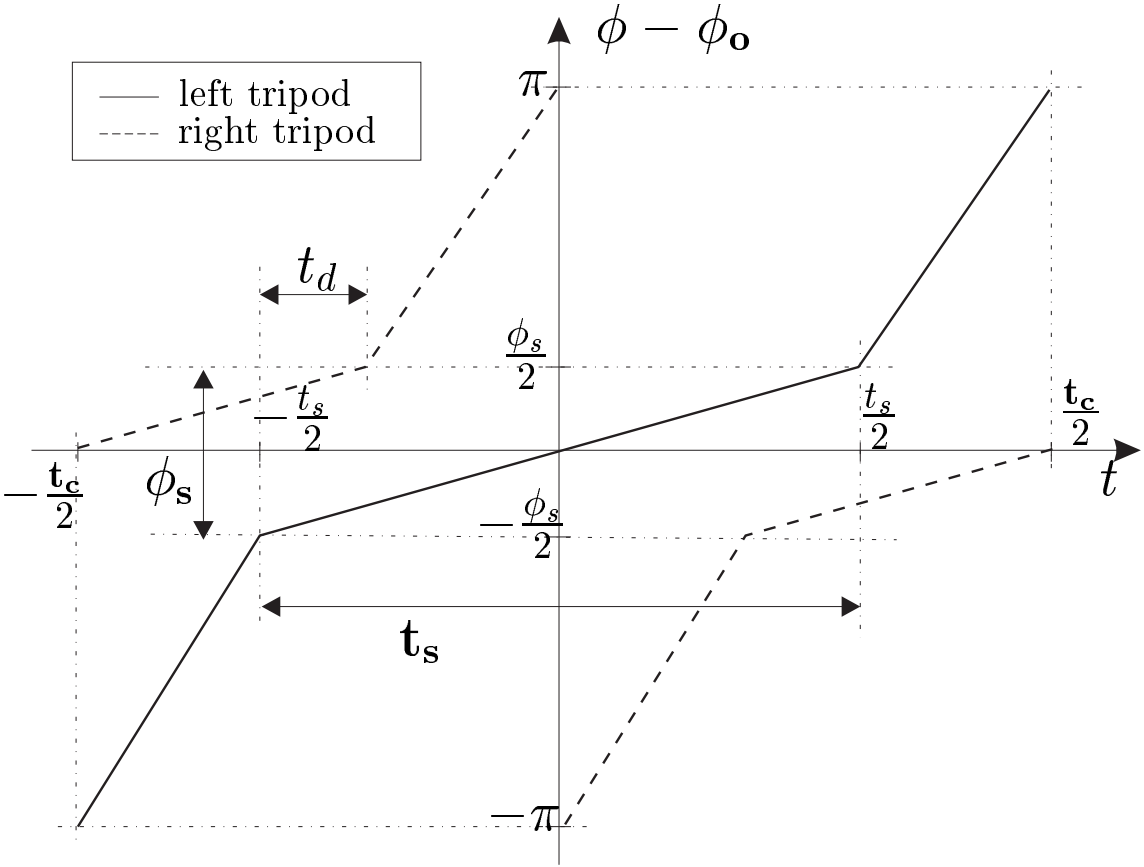
$\phi - \phi_o$
left tripod
right tripod
π
t_d
$\frac{\phi_s}{2}$
$-\frac{t_s}{2}$
$\frac{t_s}{2}$
$\frac{t_c}{2}$
t
$-\frac{t_c}{2}$
ϕ_s
$-\frac{\phi_s}{2}$
t_s
$-\pi$