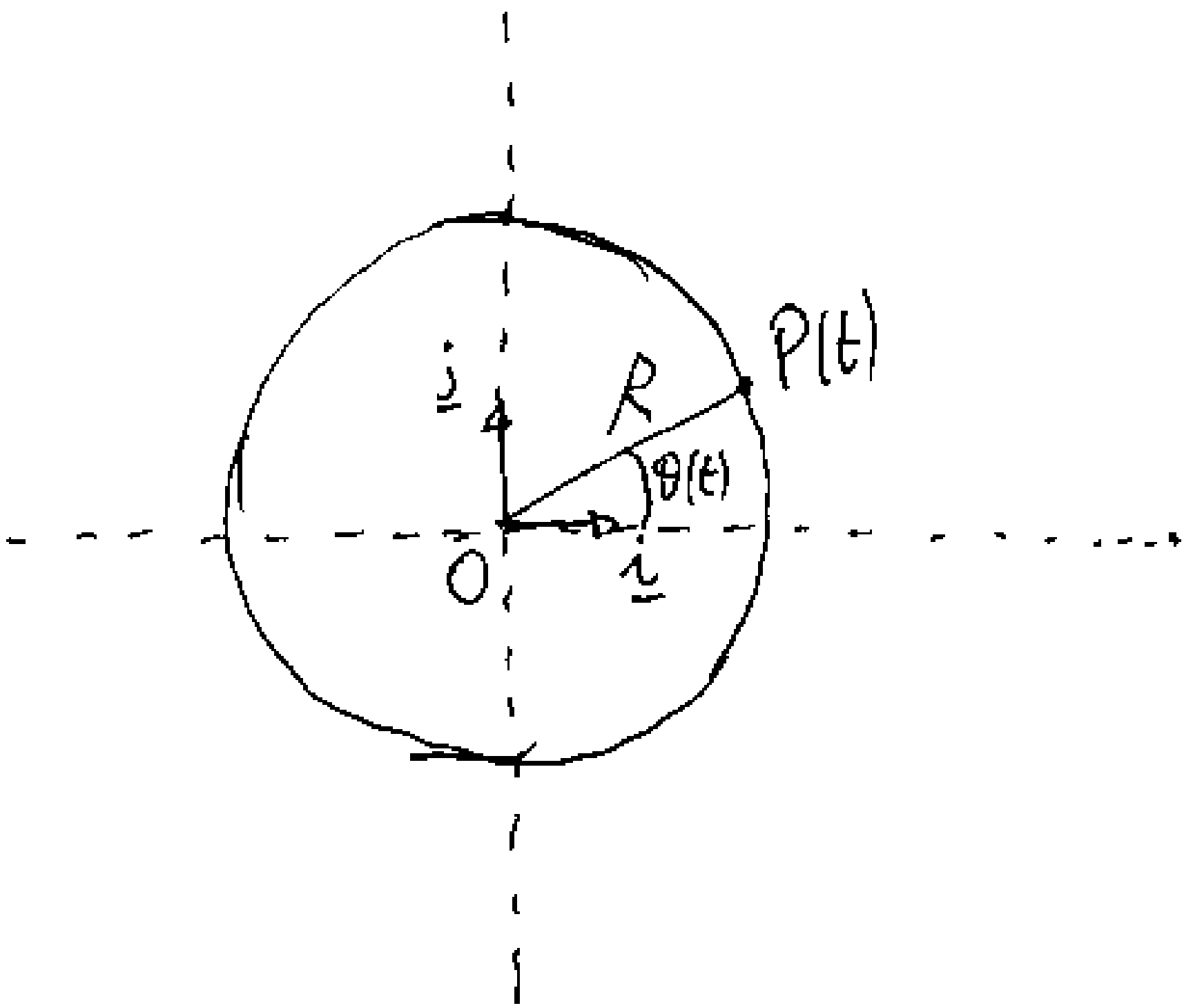
P(t)
R
θ(t)
O