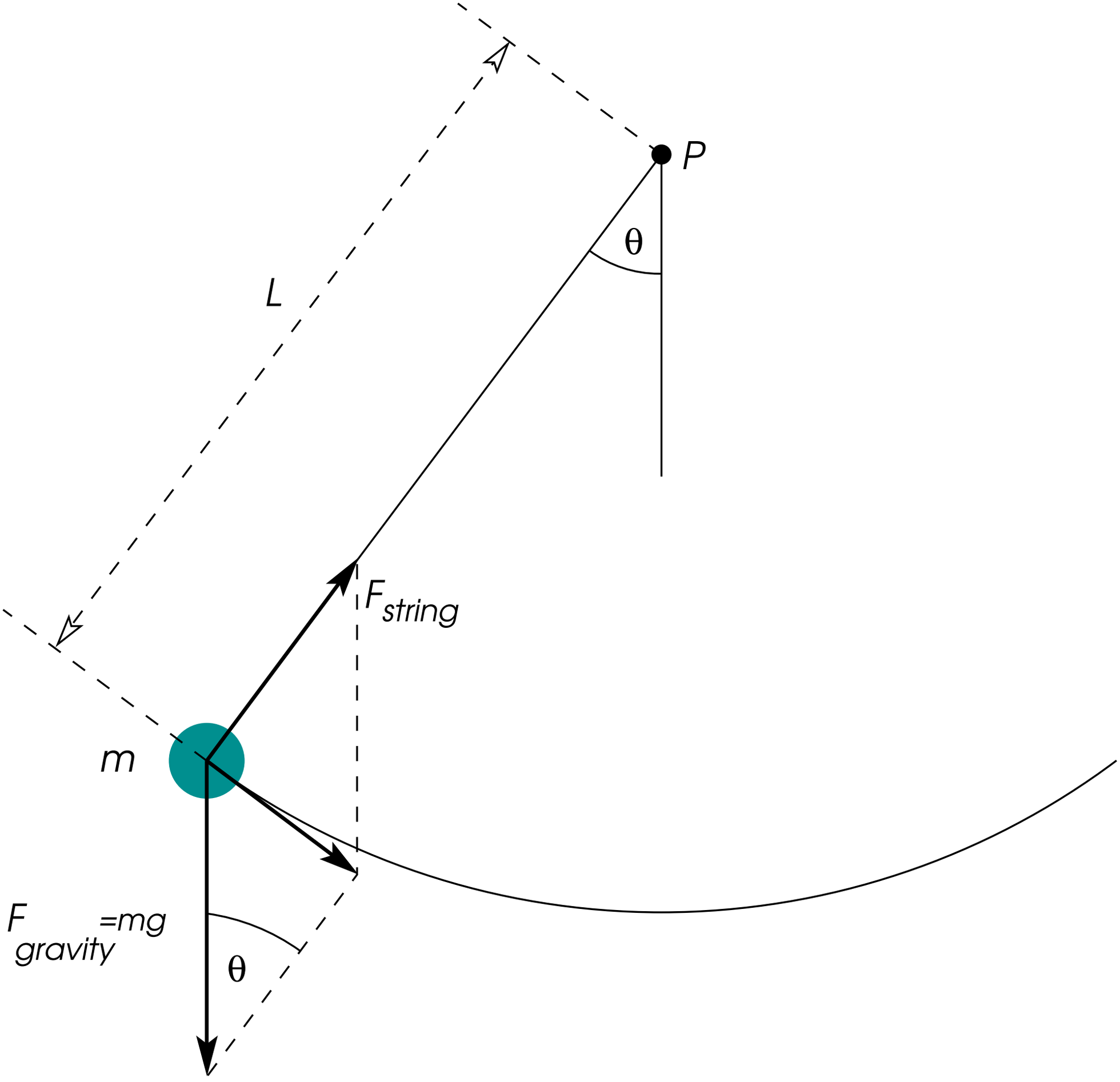
P
θ
L
F string
m
F gravity =mg
θ