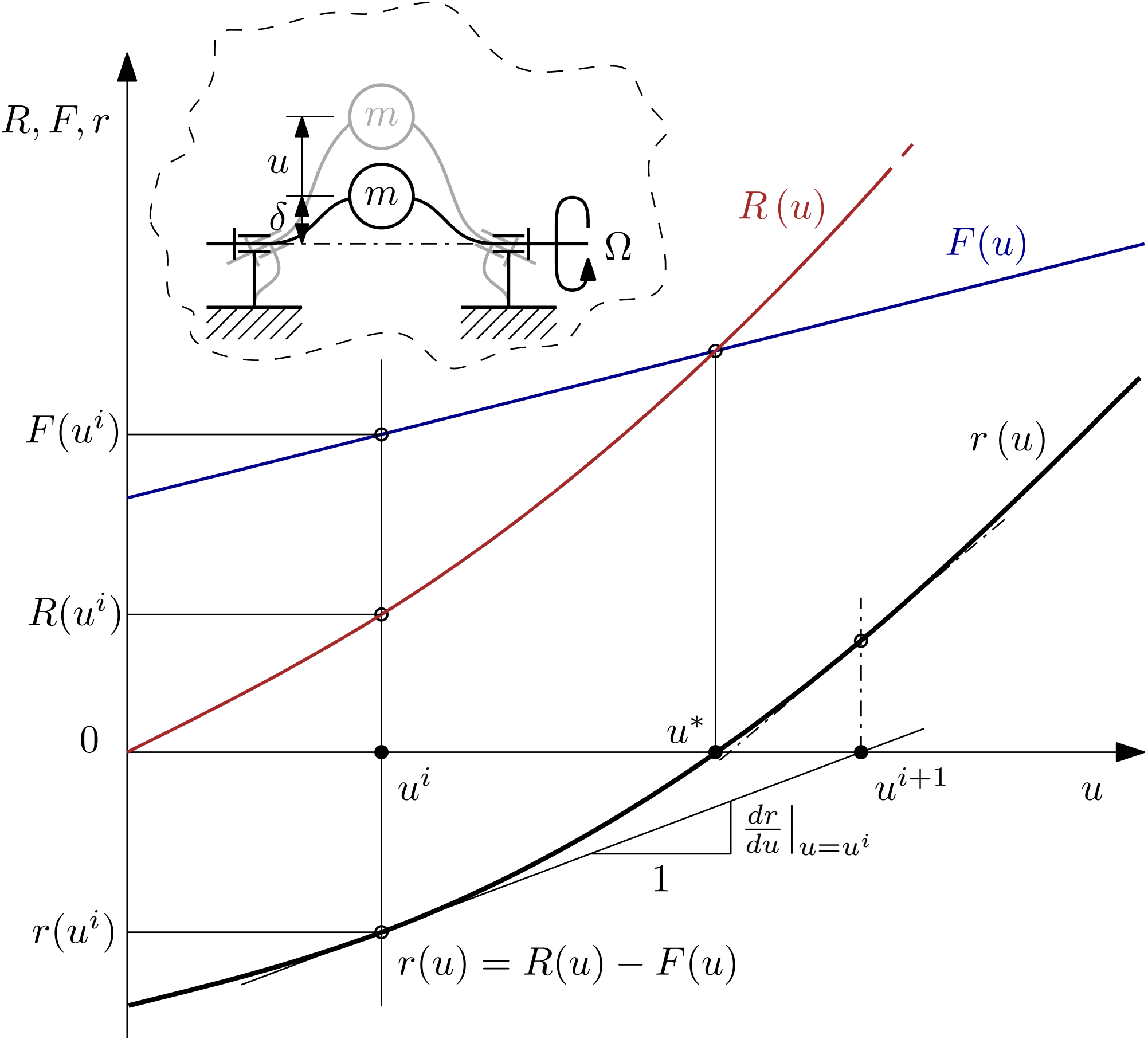
$R, F, r$
$m$
$u$
$m$
$\delta$
$\Omega$
$R(u)$
$F(u)$
$F(u^i)$
$r(u)$
$R(u^i)$
$0$
$u^*$
$u^i$
$u^{i+1}$
$u$
$\frac{dr}{du}\Big|_{u=u^i}$
$1$
$r(u^i)$
$r(u) = R(u) - F(u)$