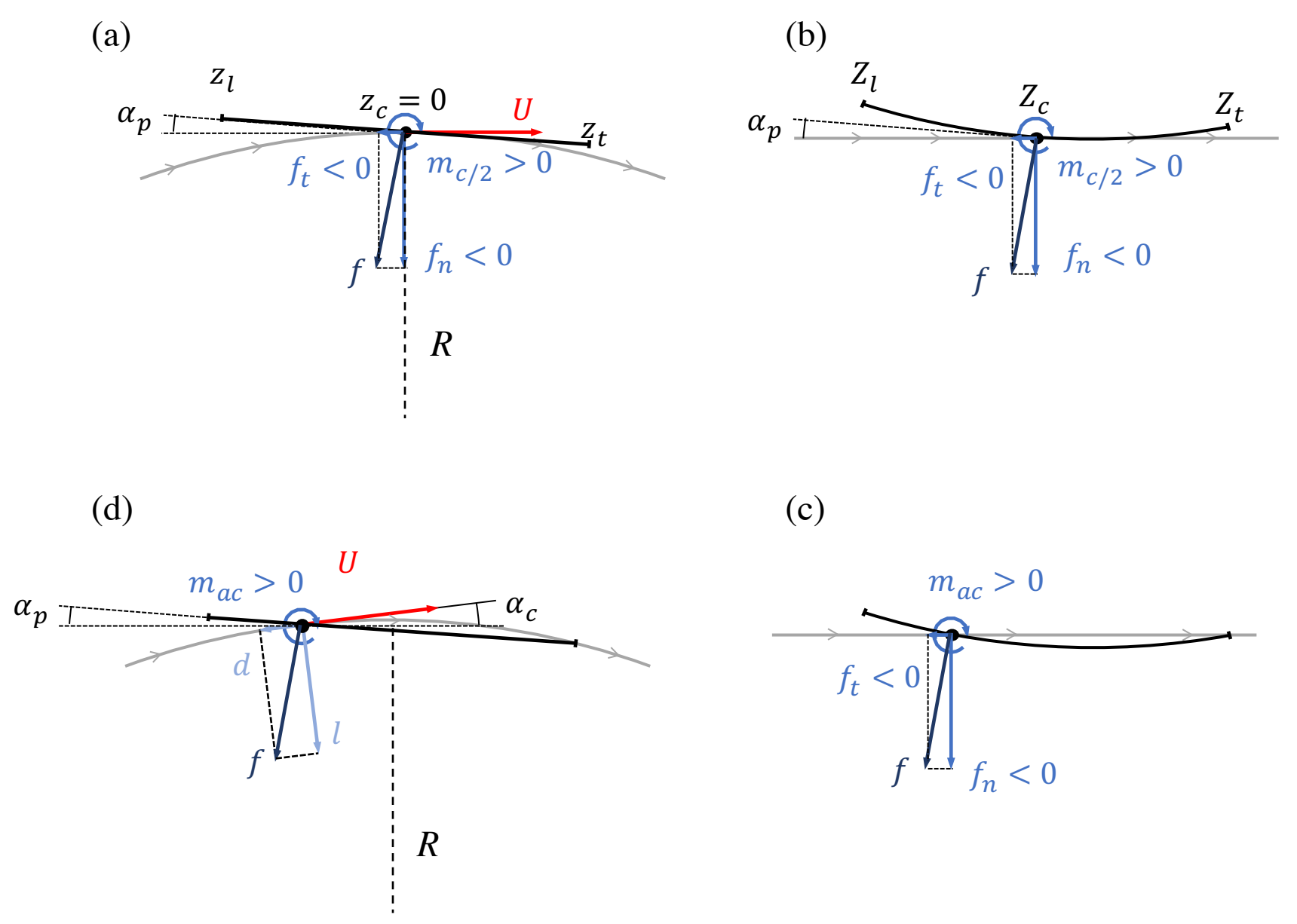
(a)
z_l
α_p
$z_c = 0$
U
z_t
$f_t < 0$
$m_{c/2} > 0$
f
$f_n < 0$
R
(b)
Z_l
Z_c
Z_t
α_p
$f_t < 0$
$m_{c/2} > 0$
f
$f_n < 0$
(d)
U
$m_{ac} > 0$
α_p
α_c
d
l
f
R
(c)
$m_{ac} > 0$
$f_t < 0$
f
$f_n < 0$