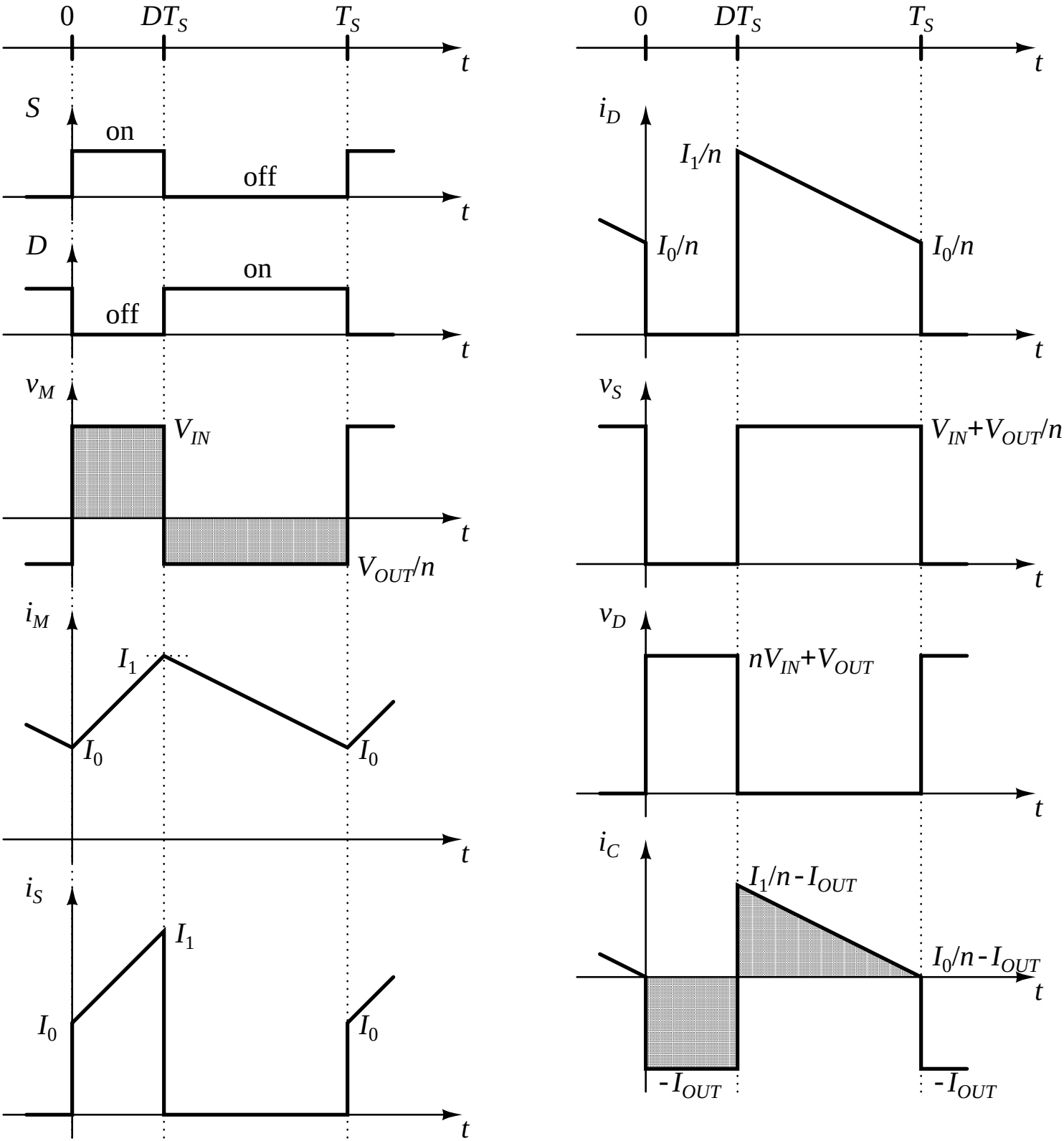
0
DT_S
T_S
t
S
on
off
D
on
off
v_M
V_{IN}
V_{OUT}/n
i_M
I_1
I_0
I_0
i_S
I_1
I_0
I_0
i_D
I_1/n
I_0/n
I_0/n
v_S
$V_{IN}+V_{OUT}/n$
v_D
$nV_{IN}+V_{OUT}$
i_C
$I_1/n-I_{OUT}$
$I_0/n-I_{OUT}$
$-I_{OUT}$
$-I_{OUT}$