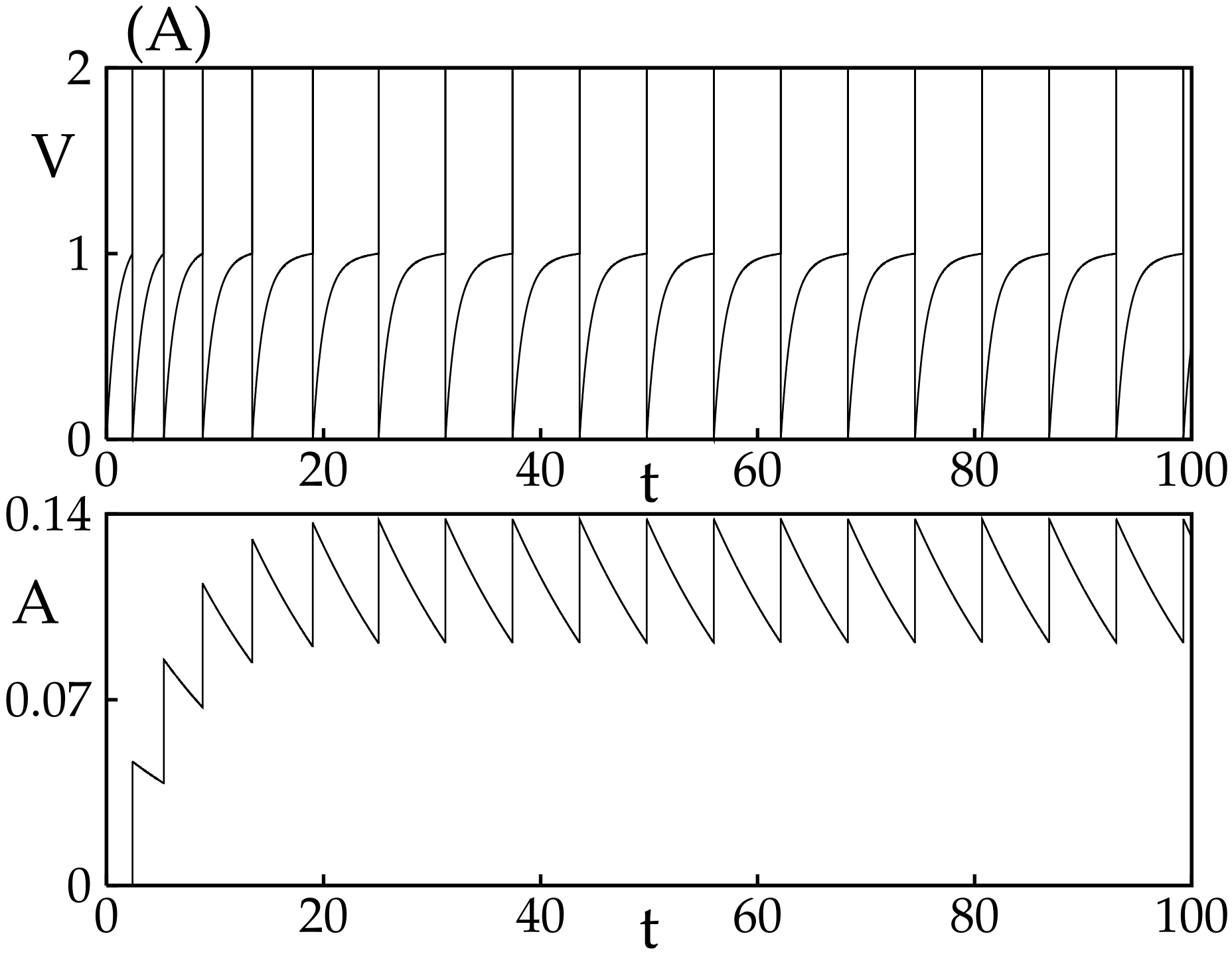
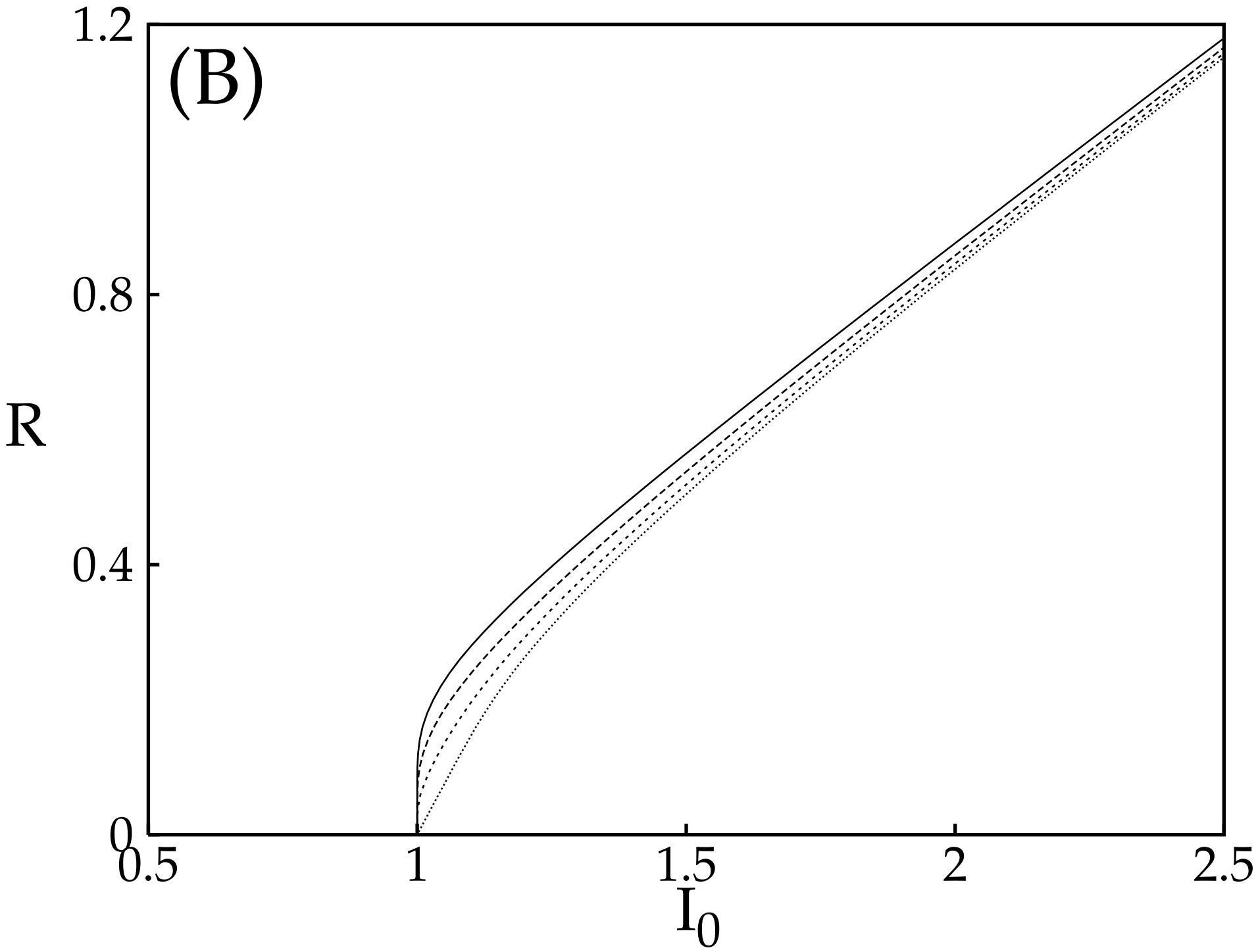
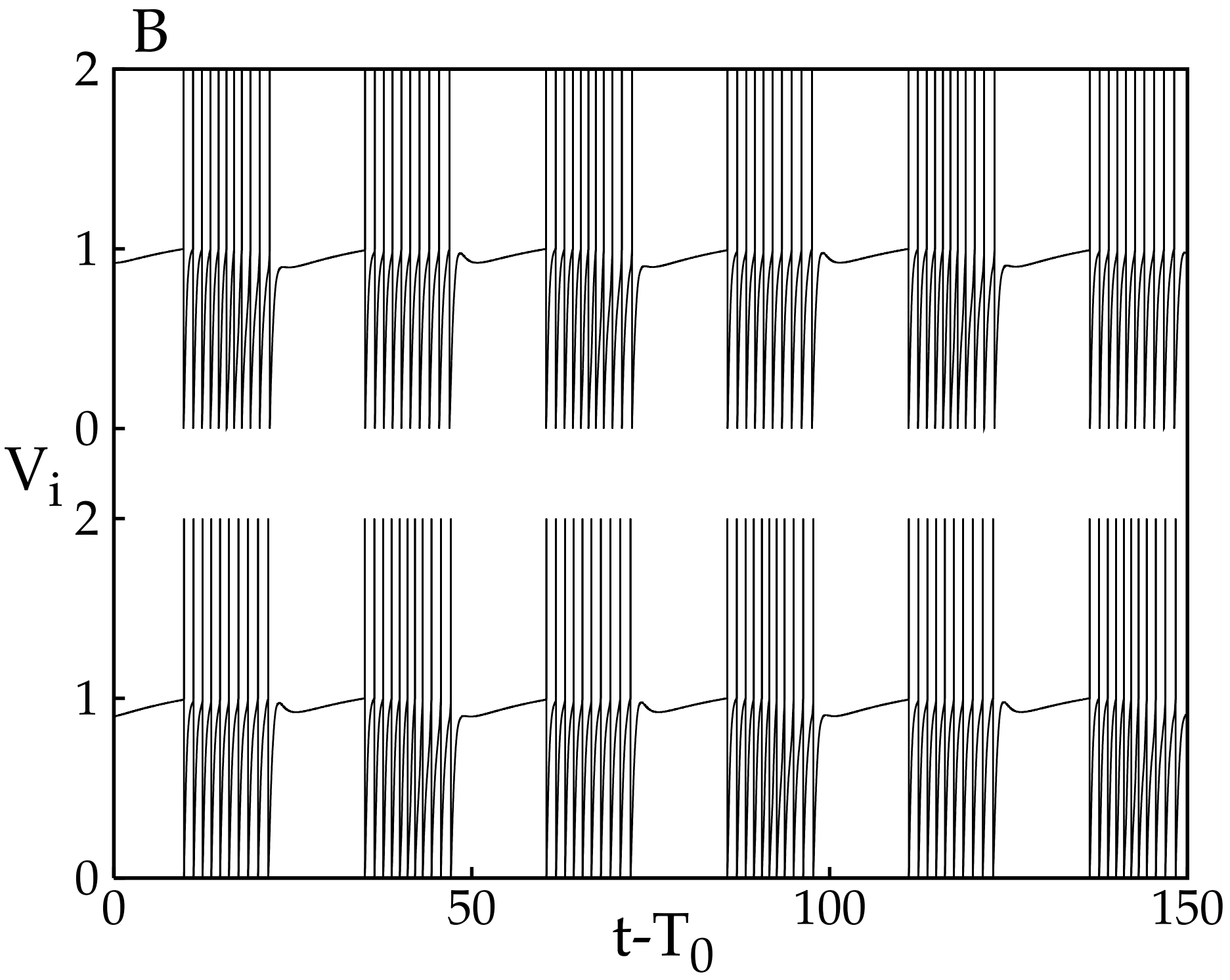
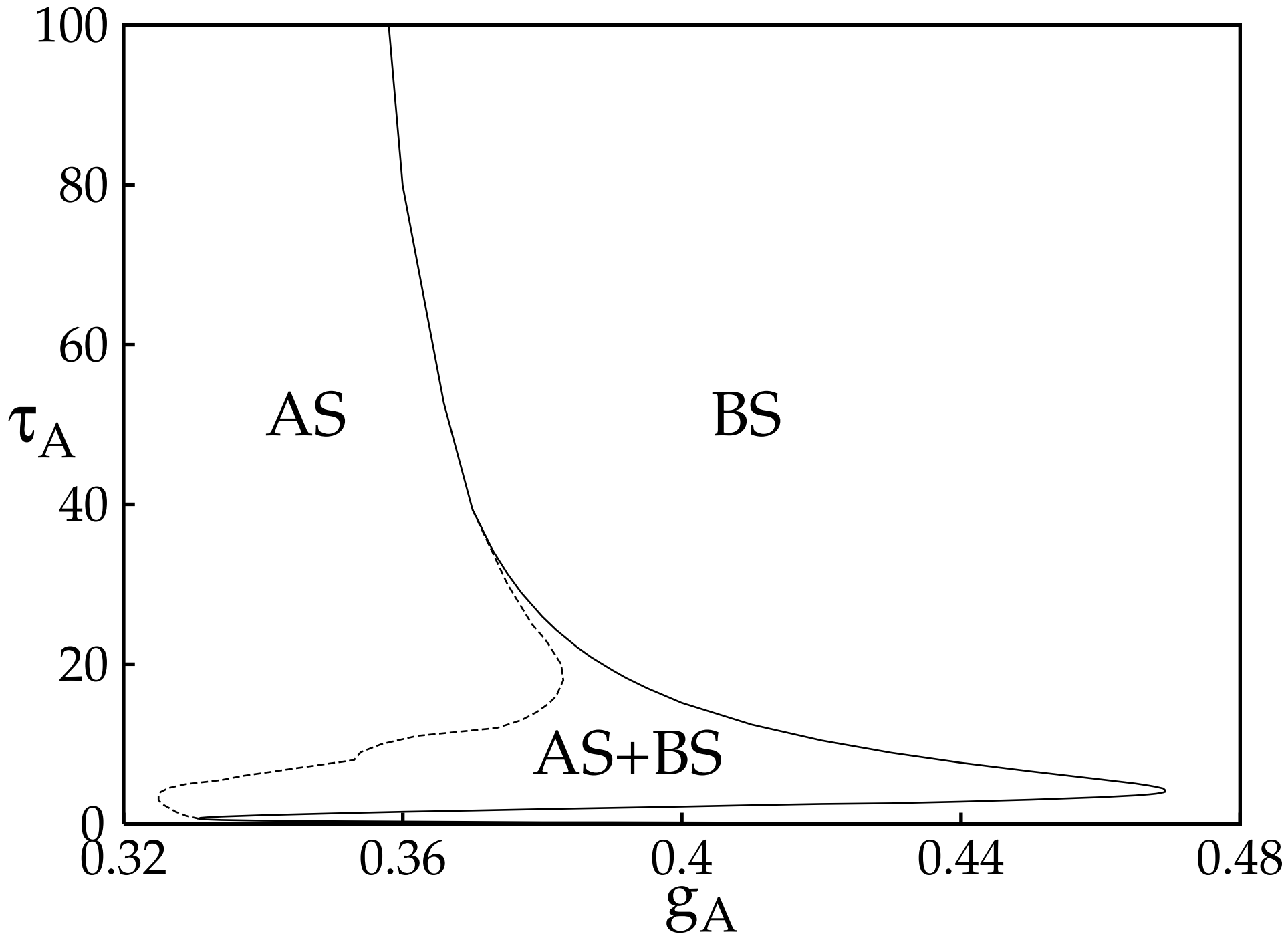
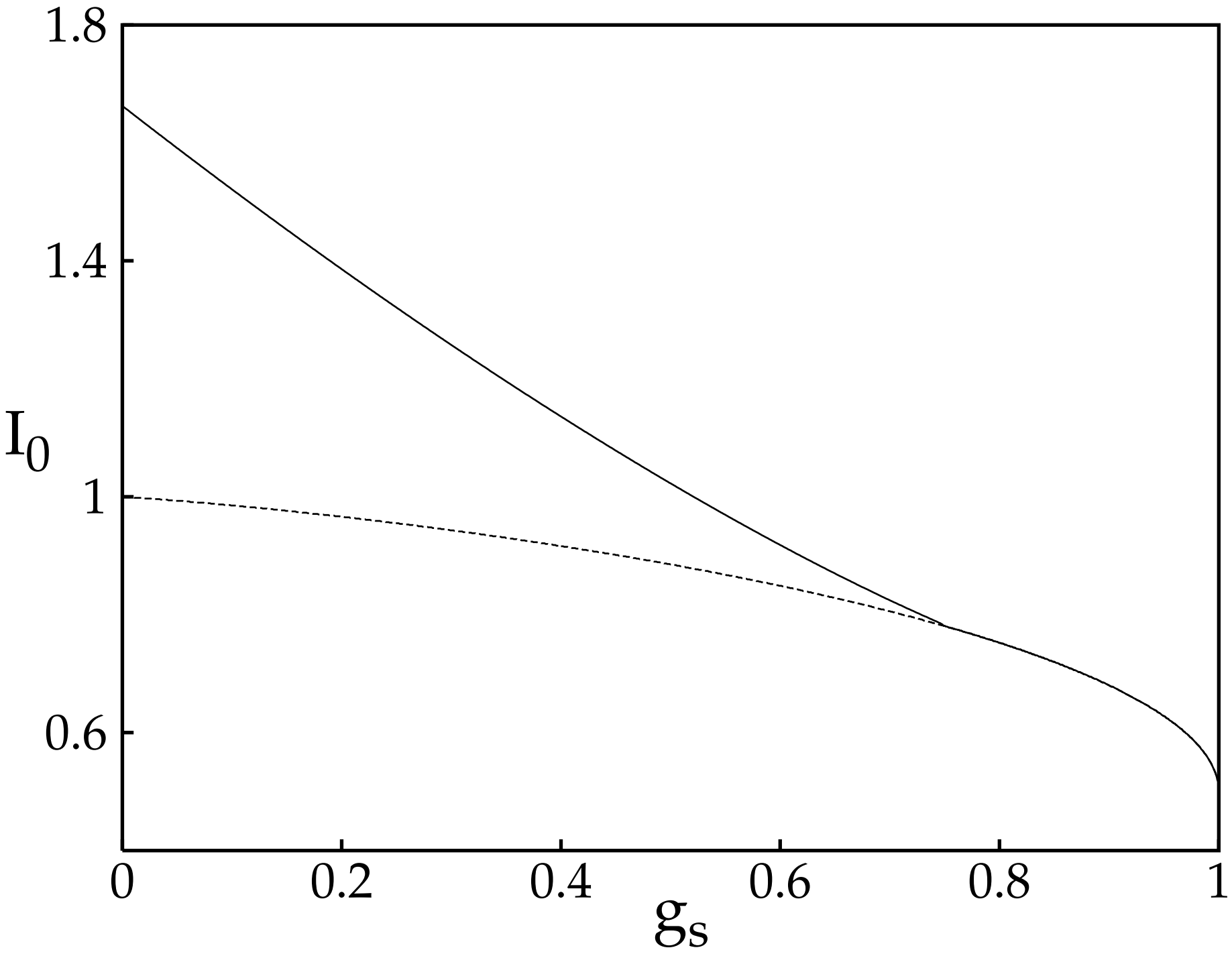
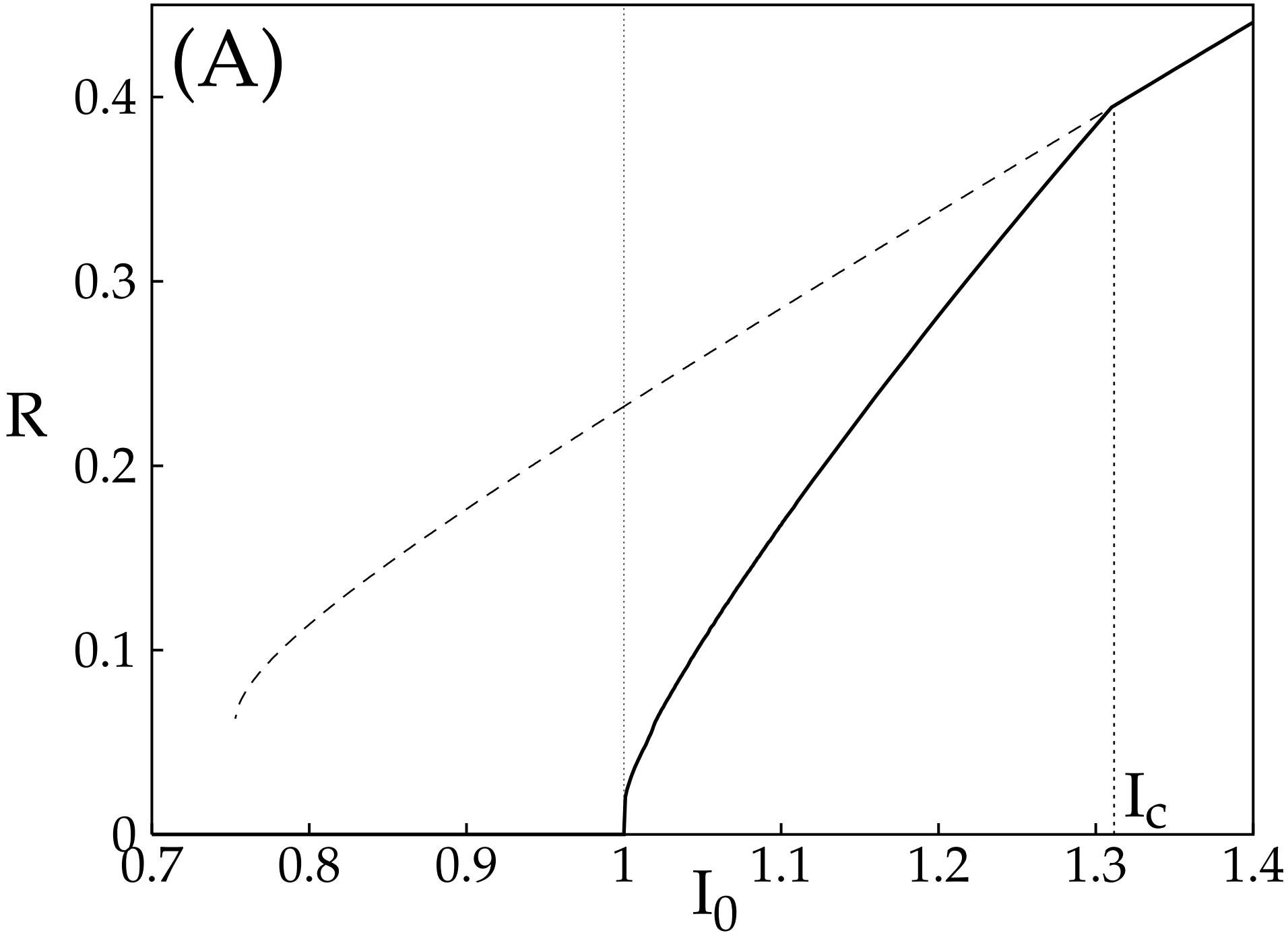

(A)
2
V
1
0
0
20
40
60
80
100
t
0.14
A
0.07
0
0
20
40
60
80
100
t

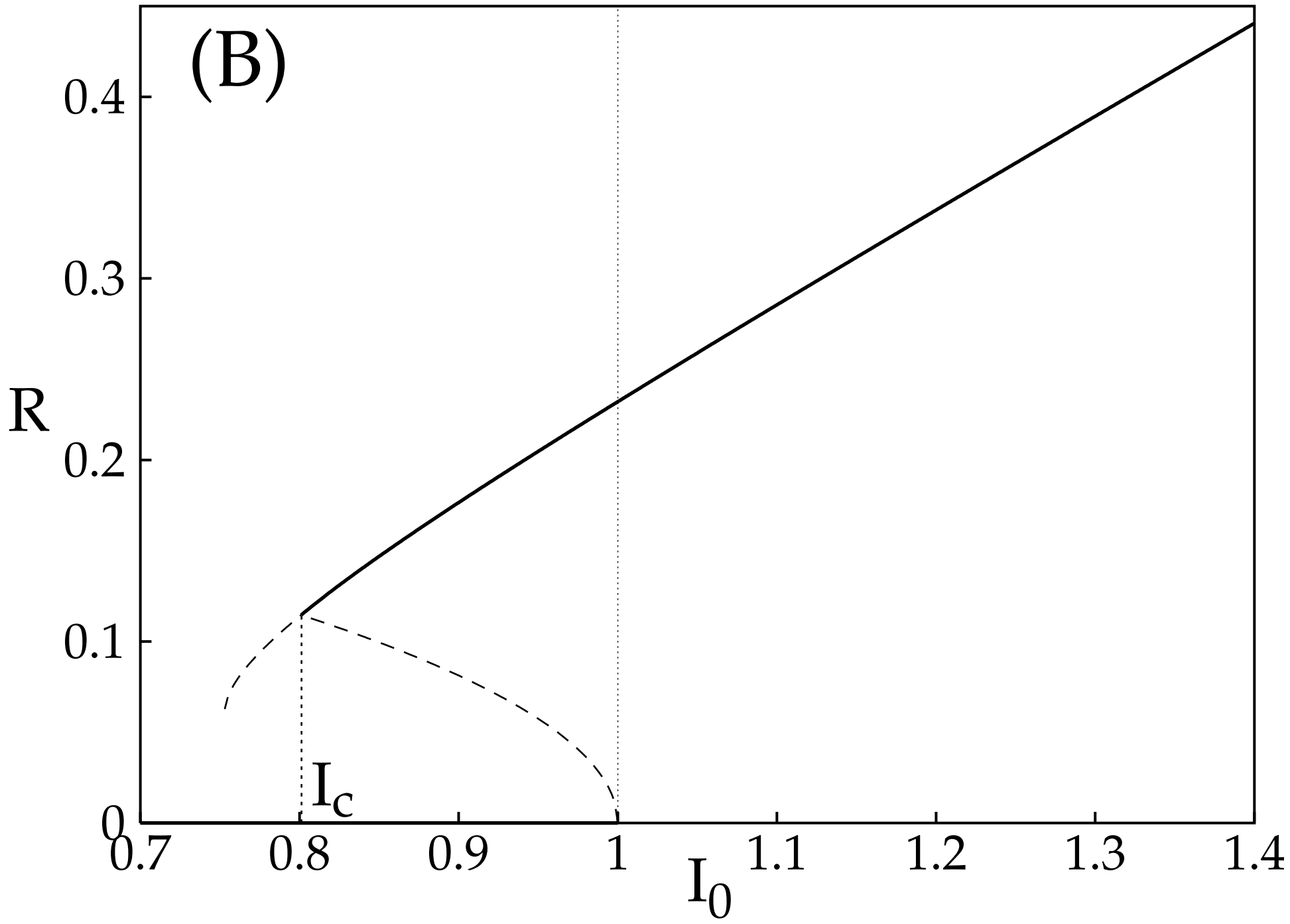

(B)
1.2
0.8
0.4
0
R
0.5
1
1.5
2
2.5
I0

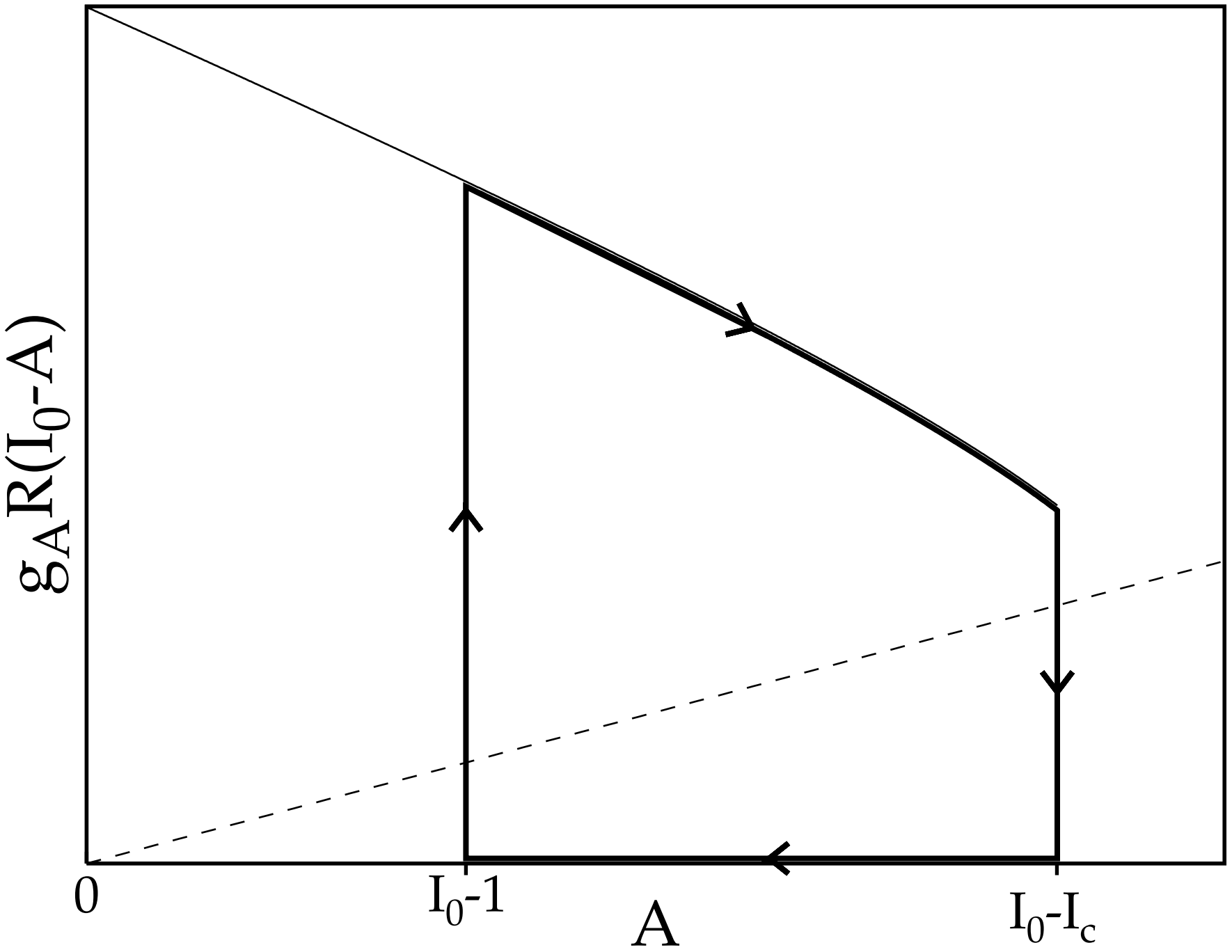

B
2
1
0
V_i
2
1
0
0
50
100
150
$t-T_0$

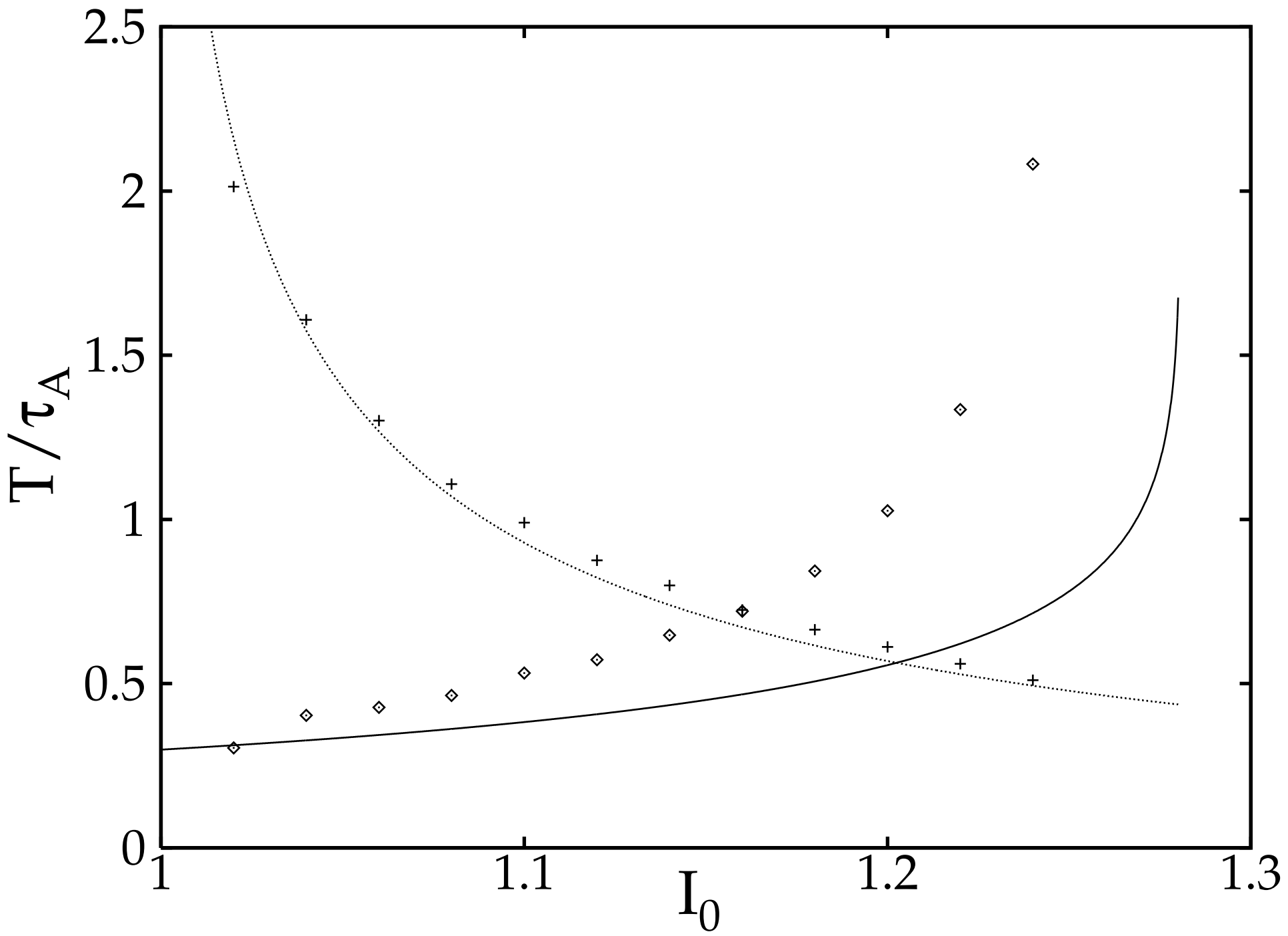

100
80
60
40
20
0
τ_A
AS
BS
AS+BS
0.32
0.36
0.4
0.44
0.48
g_A

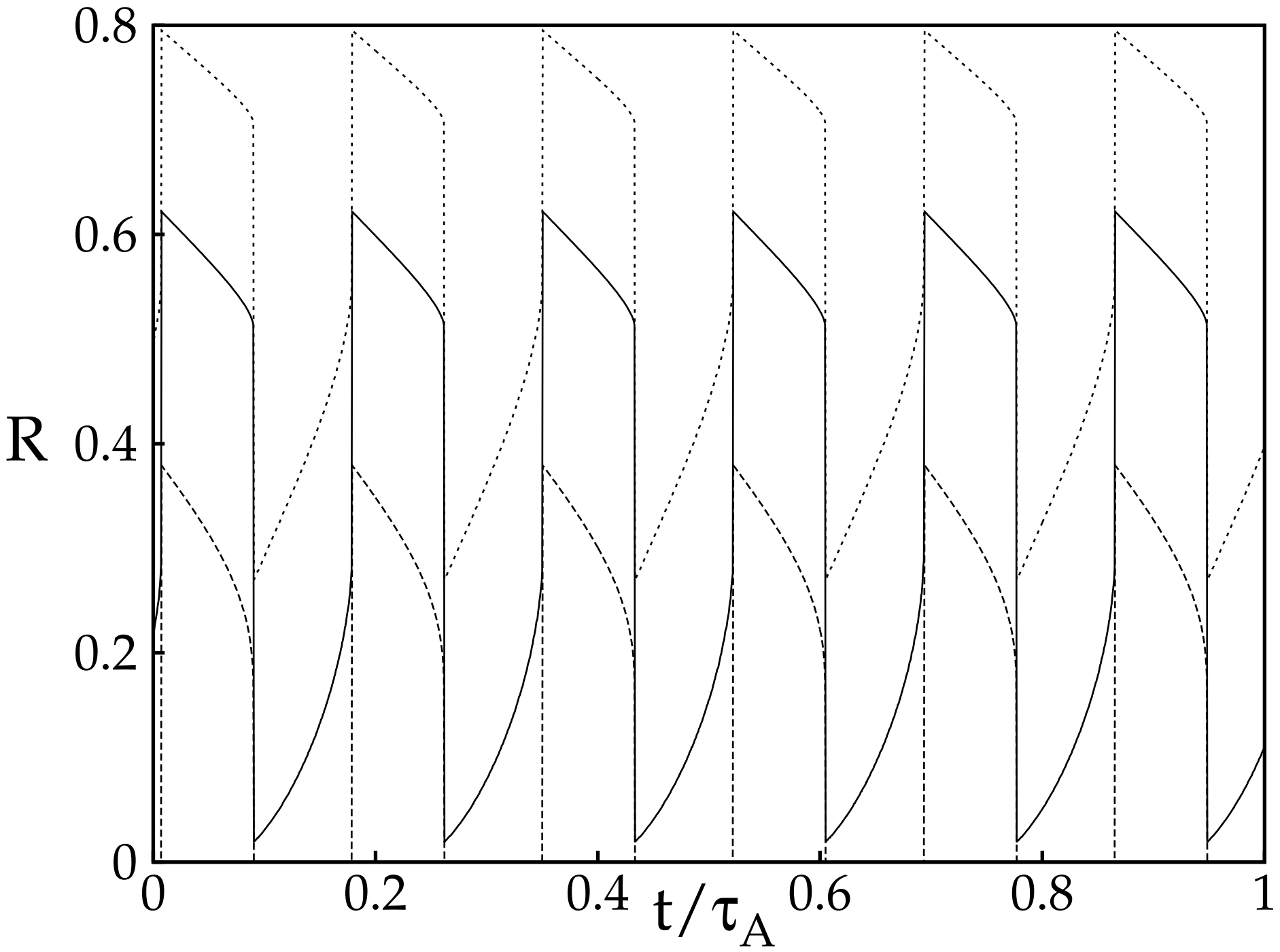

1.8
1.4
1
0.6
I_0
0
0.2
0.4
0.6
0.8
1
g_s

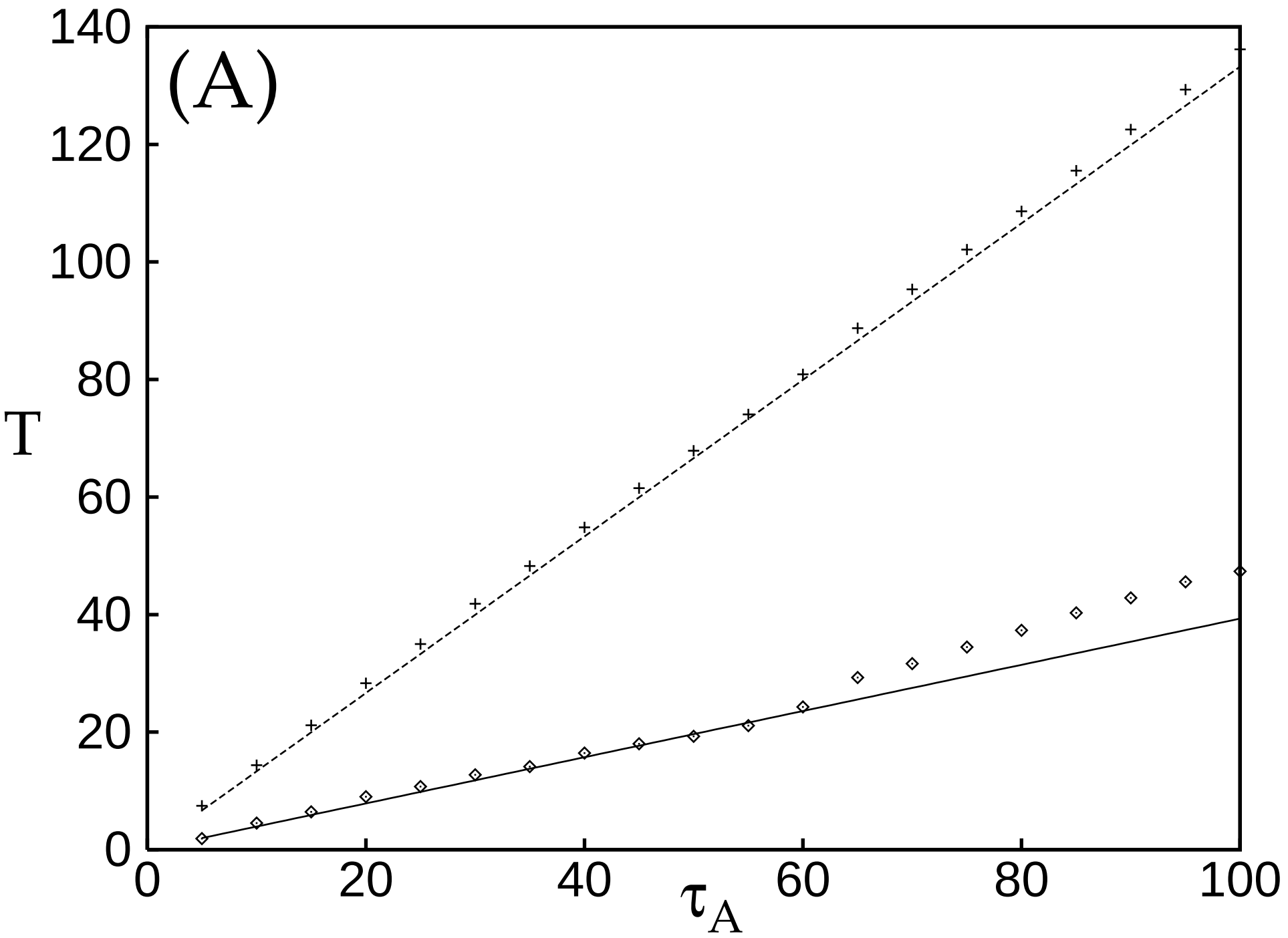

(A)
R
0.4
0.3
0.2
0.1
0
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
I_0
I_c

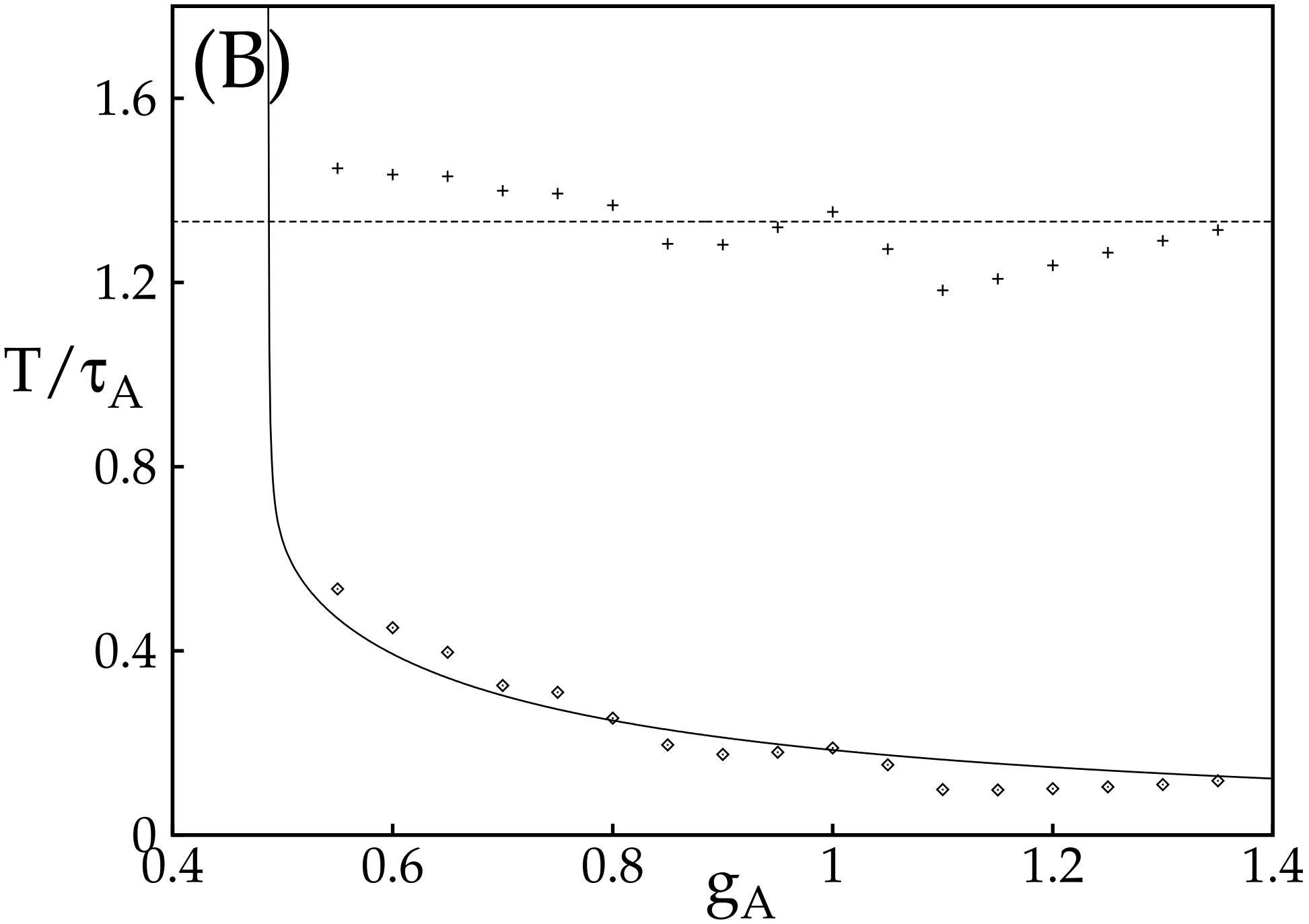

(B)
0.4
0.3
R
0.2
0.1
0
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
I_c
I_0

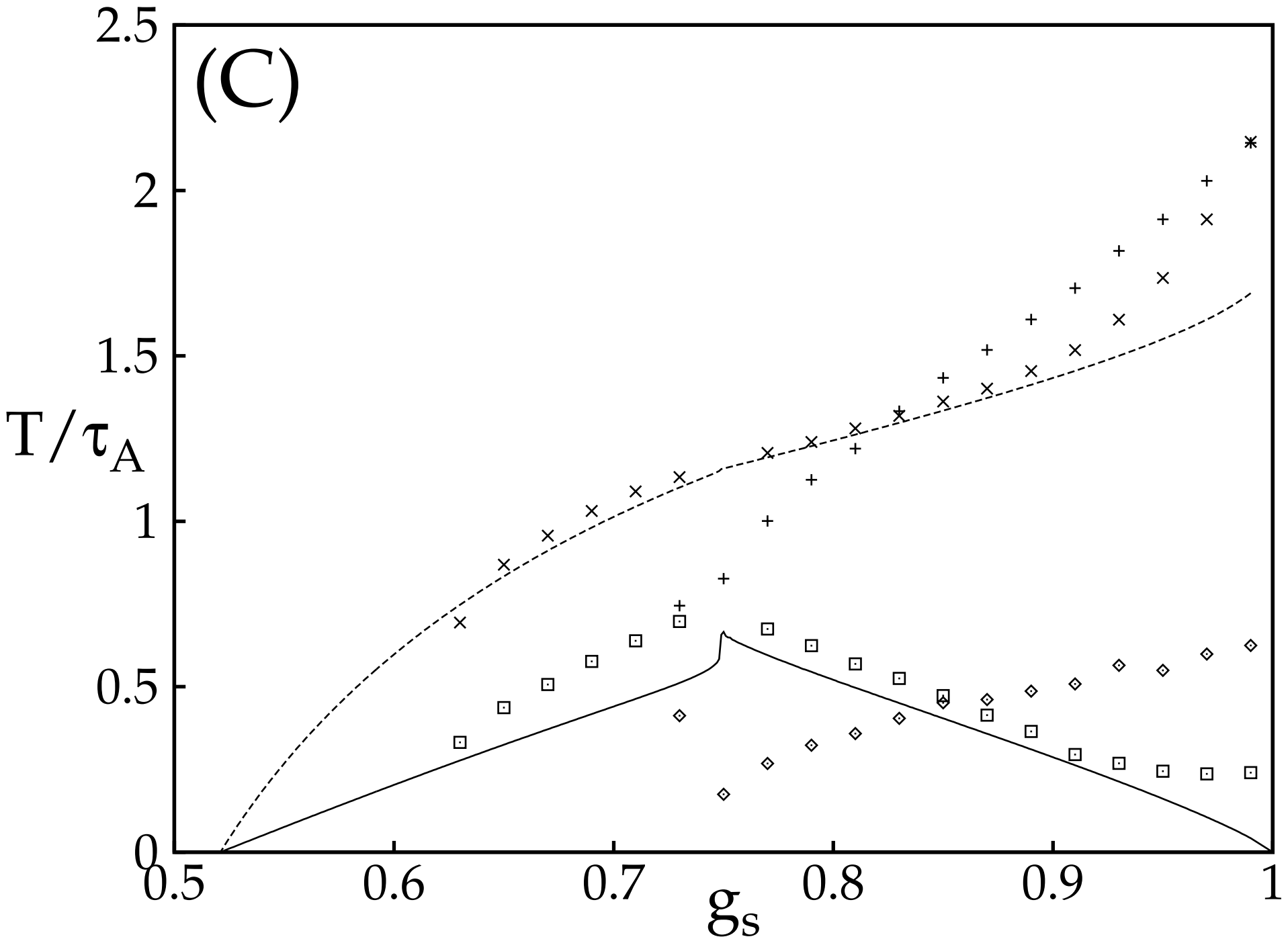

$g_A R(I_0-A)$
0
I_0-1
A
I_0-I_c

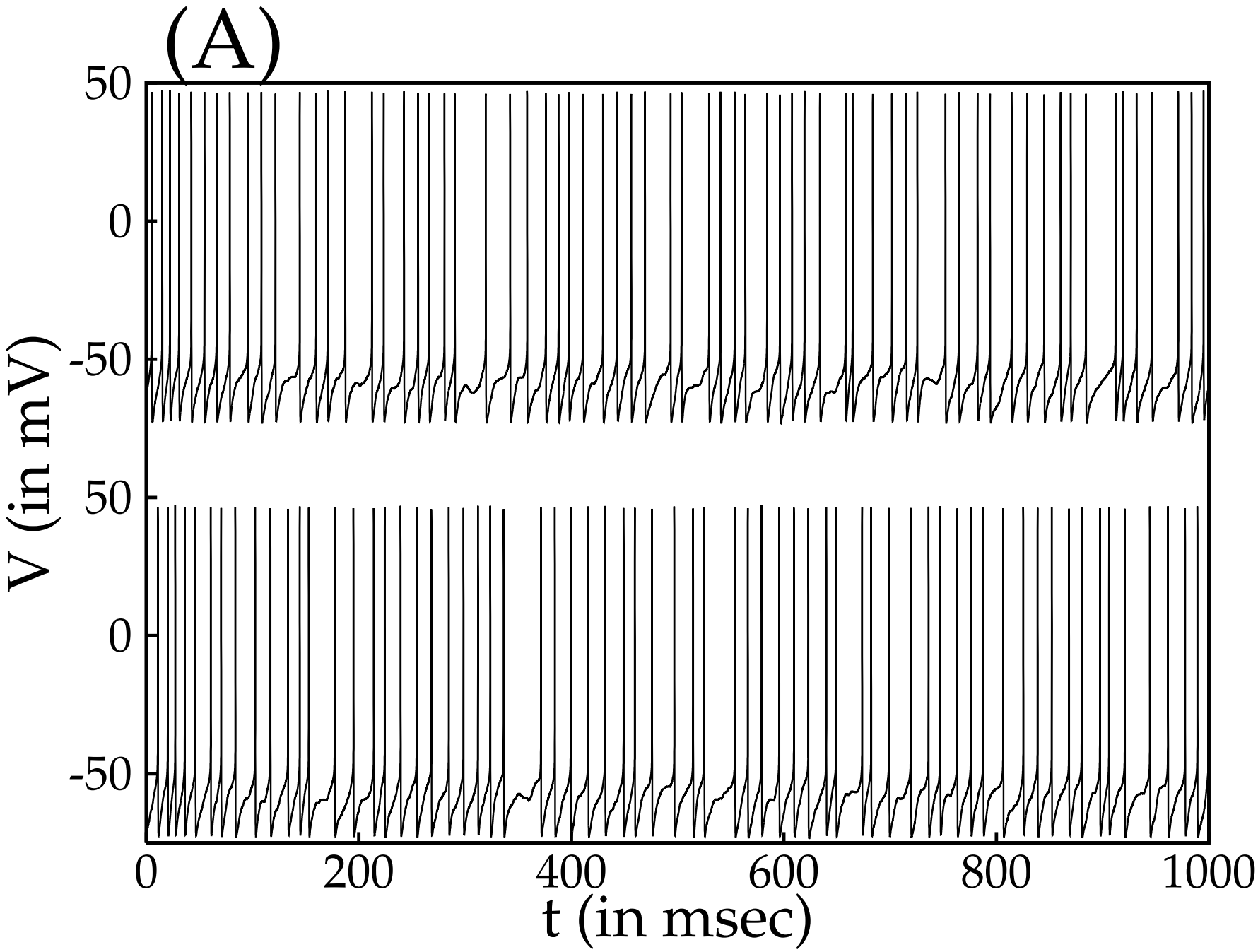

2.5
2
1.5
1
0.5
0
1
1.1
1.2
1.3
T/τ_A
I_0

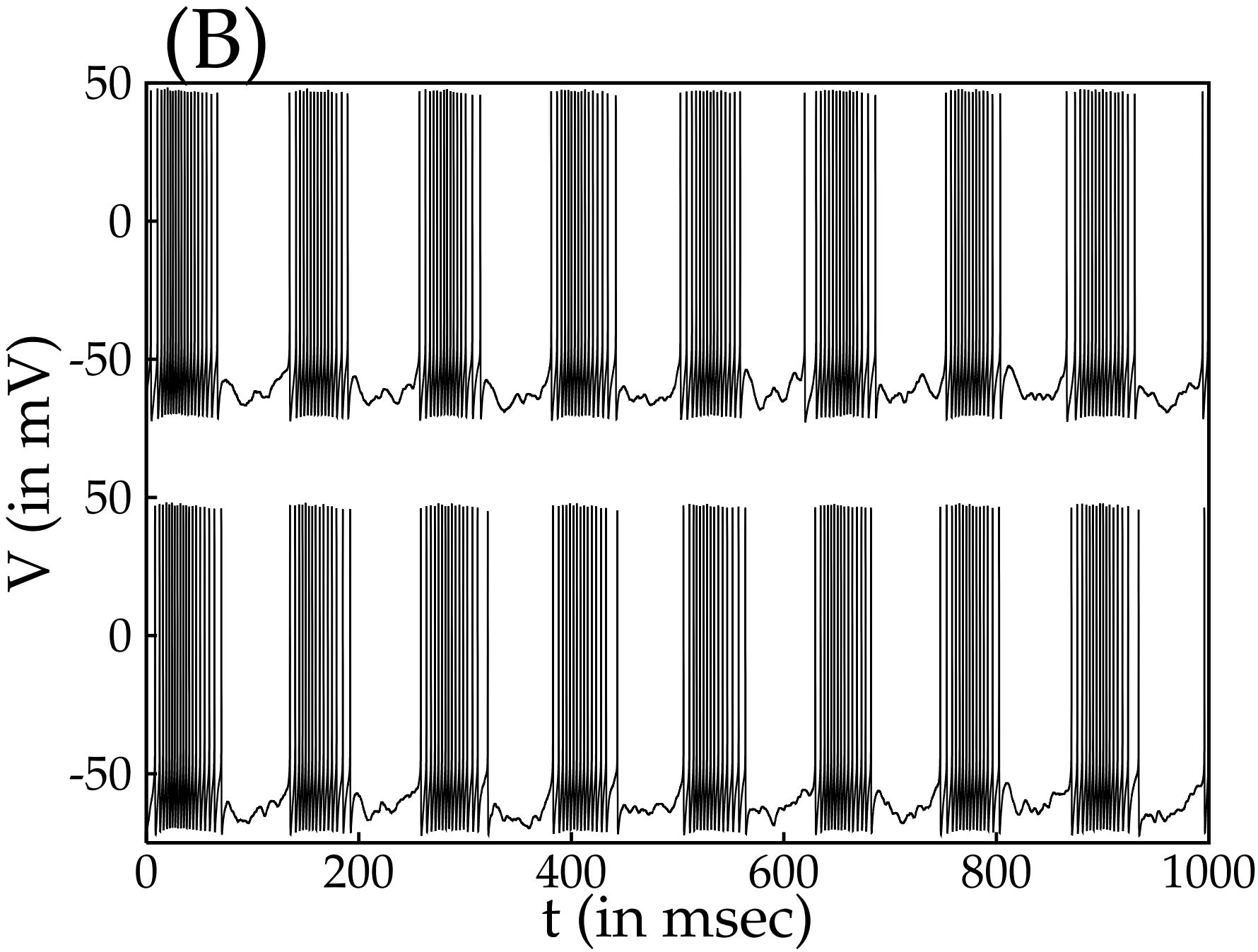

0.8
0.6
0.4
0.2
0
R
0
0.2
0.4
0.6
0.8
1
t/τA

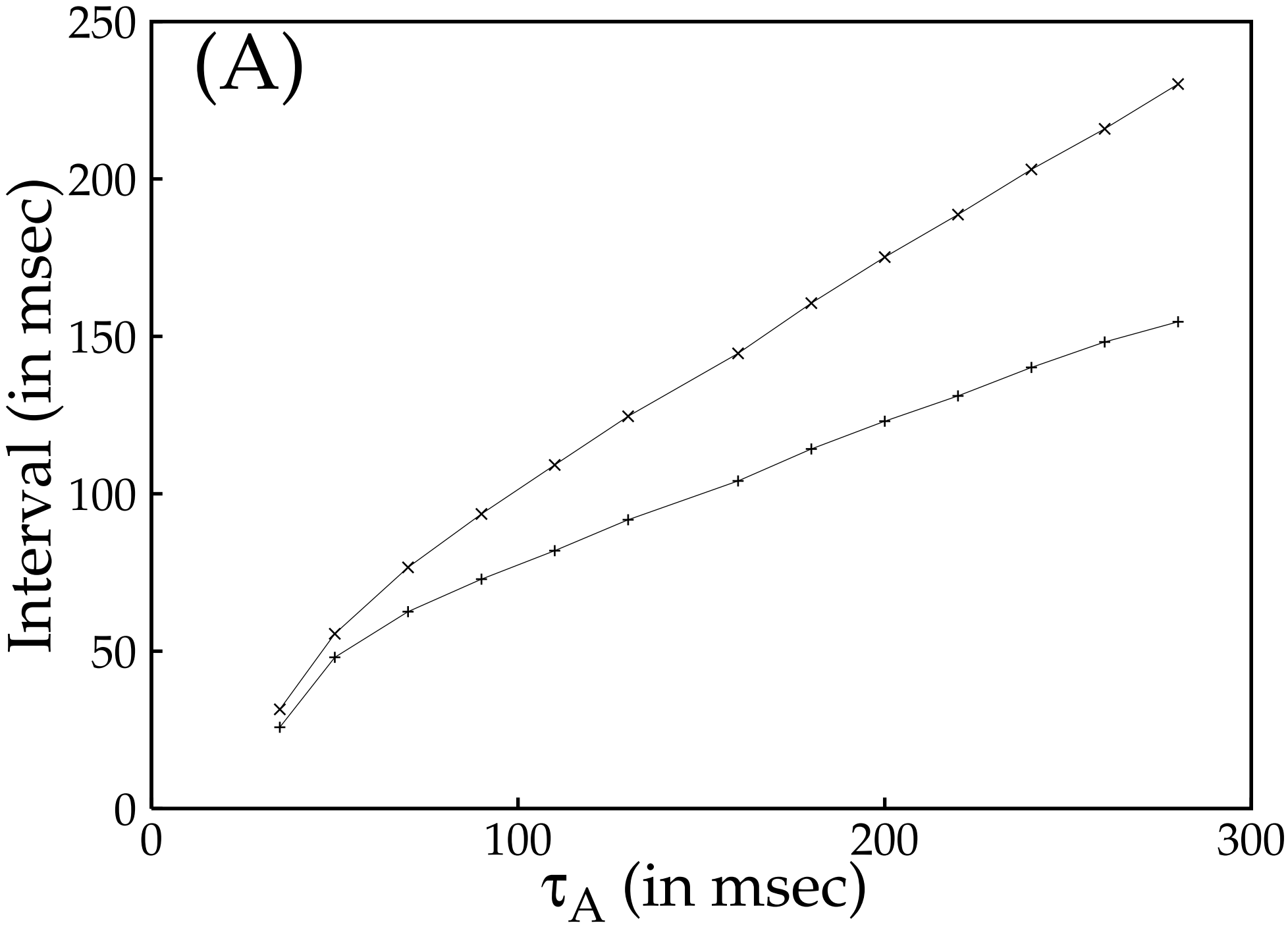

(A)
T
τ_A
0
20
40
60
80
100
120
140

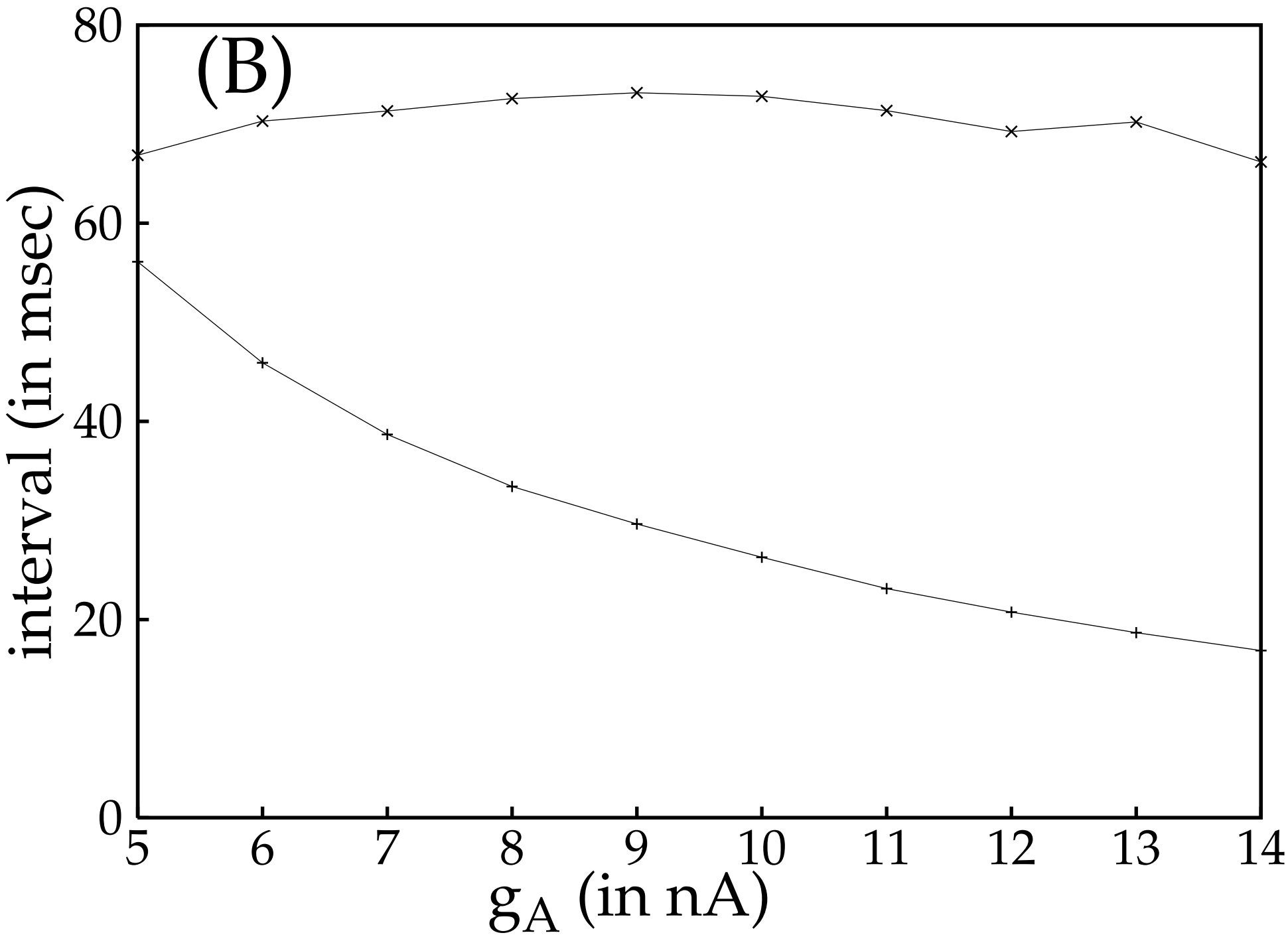

(B)
1.6
1.2
0.8
0.4
0
T/τA
0.4
0.6
0.8
1
1.2
1.4
gA

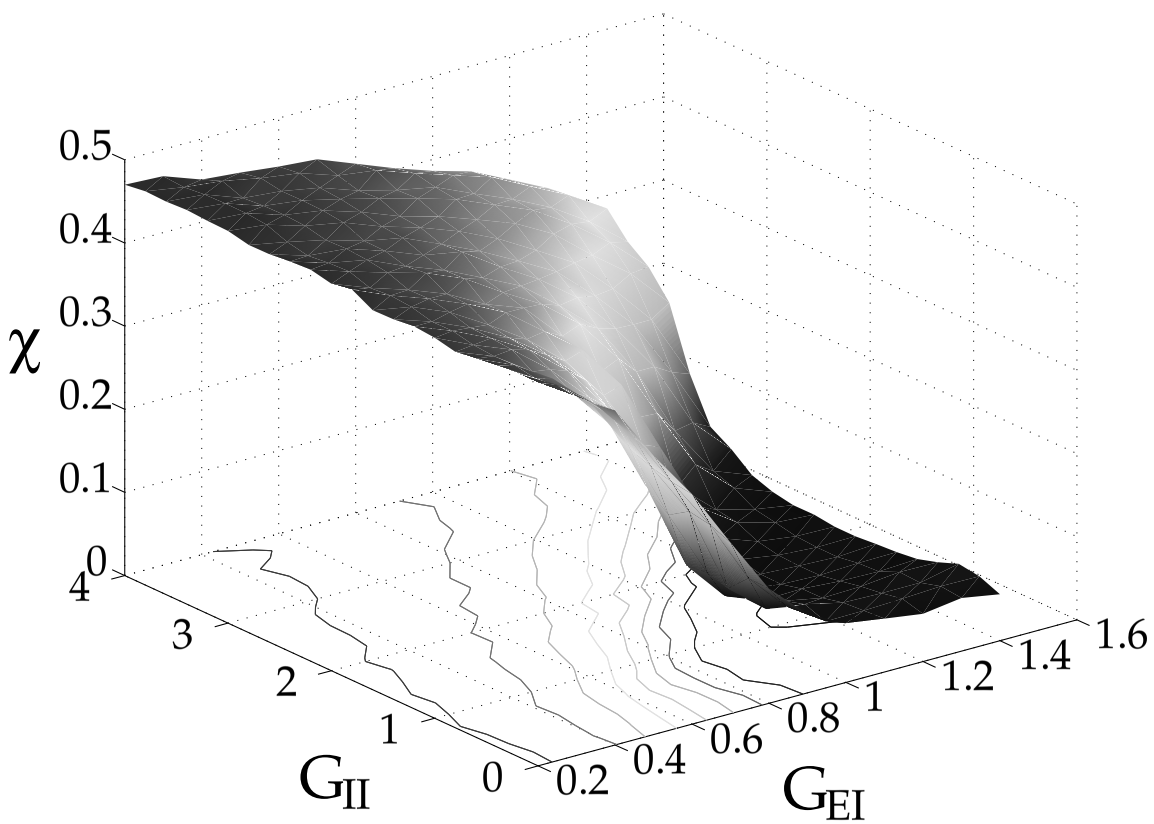

(C)
2.5
2
1.5
1
0.5
0
T/τA
0.5
0.6
0.7
0.8
0.9
1
gs


(A)
50
0
-50
50
0
-50
V (in mV)
0
200
400
600
800
1000
t (in msec)


(B)
50
0
-50
50
0
-50
V (in mV)
0
200
400
600
800
1000
t (in msec)


(A)
250
200
150
100
50
0
0
100
200
300
Interval (in msec)
τA (in msec)


(B)
80
60
40
20
0
interval (in msec)
5
6
7
8
9
10
11
12
13
14
g_A (in nA)


χ
0.5
0.4
0.3
0.2
0.1
0
4
3
2
1
0
G_II
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
G_EI