(1) s s1

(2) s1 z $z \quad e^{s_1 T}$

(1) s s1

$\frac{2}{T}$ $\overline{T}$ $\overline{T}$ a $\frac{{}_1T}{2}$

(3) C

C

(a)

T $_1T$

a $\frac{_1T}{2}$ $\frac{_1T}{2}$ $\frac{}{2}$ $\frac{T}{2}$

C a $\frac{_1T}{2}$ $C\frac{}{2}$ C $\frac{2}{T}$

(b) $_c$

$_c$

$_c$ C a $\frac{_{1c}T}{2}$ C a $\frac{_c}{2}$

C $_c ctg$ $\frac{_c}{2}$

(4)

1

1 $\frac{2}{T}$ a $\frac{_1}{2}$

1 1

IIR

IIR-双线性变换法