







From (H1) there exist two constants  $R_1$  and  $N$  with  $0 < R_1 < N$  such that

$g$

where  $\bar{r}_1 = \frac{a(t) r_1 + m(r_1)}{1-c}$  and  $\bar{r}_2 = \frac{a(t) r_2 + m(r_2)}{1-c}$ , where  $r_1$  and  $r_2$  are given in above. Obviously,  $0 < \bar{r}_1 < 1$ ,  $0 < \bar{r}_2 < 1$ .

So, we have

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