

_____

.
 .
 () ()
 [1, 2] [3, 4]

,
 :

$$\frac{dV}{dt} = \frac{g}{u}(D - f_v), \tag{1}$$

$V -$, $t -$, $g -$, $-$ $-$
 , $D -$, $f_v -$

[5, 6],
 " , " ,
 [7].

[8 - 10]:

$$f_v = f + kV^n, \tag{2}$$

$f -$, $k n -$,
 () .
 (1)

$$t = A_l [B_{1l} \ln C_1(V) + B_{2l} \ln C_2(V) + B_{3l} \ln C_3(V)]. \tag{3}$$

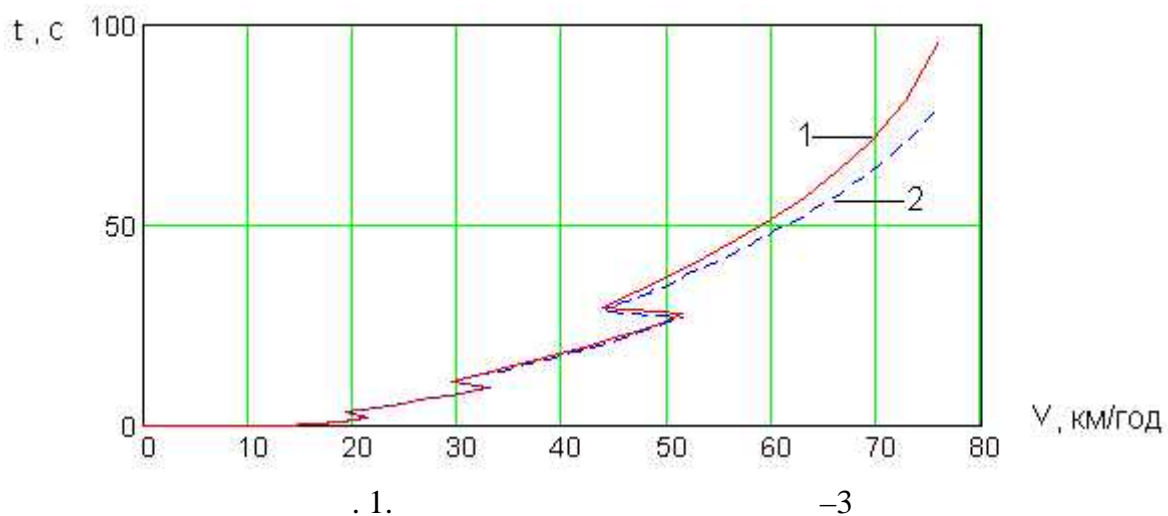
(1)

:

$$t = B_{4l} \ln C_4(V), \tag{4}$$

$A_l, B_{1l}, B_{2l}, B_{3l}, B_{4l}, C_1, C_2, C_3, 4 -$

. 1
 -3 [11] (4) (1)
 [3, 4],
 (2).



75 / ,
 16%.

- 1. 1975. – 448
- 2. 1984 – 264
- 3. 1990. – 352
- 4. 1970. – 526
- 5. 1978. – 128
- 6. 1987. – 259
- 7. « » – 2007. – 33 – 61 – 66
- 8. 1997. – 688
- 9. 1992. – 200
- 10. 1989. – 240
- 11. « » – 2001. – 376