

621:533:519.6

... 1, ... 1, ... 1, ... 1, ... 2
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 2

[1, 2].

[3].

[4, 5].

[4, 5]

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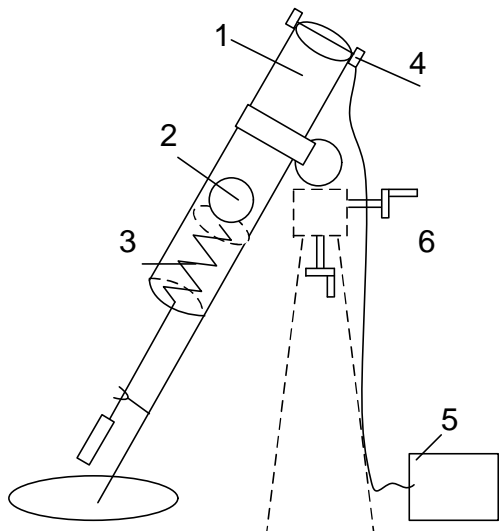
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(1 1



1 - ; 2 - ; 3 - ;
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 7 - ; 8 -

S=150 ; 45 ; 5)

$$V_0 = \sqrt{Sg} \quad (1) \quad (6)$$

g -
 40 / .

$$\frac{mV_0^2}{2} \quad (p. 3).$$

$$\frac{kL^2}{2}$$

$$\frac{kL^2}{2} = \frac{mV_0^2}{2} \quad (2)$$

0,3) (0,25-0,3 , 5) - ;

[6].

- (.3):
- 1) 3 2
 - 4 2) ; 8 [1, 2, 5],
 - 50 () 1-1,5
 - 9;
 - 3) 6, -
 - 5;
 - 4) 4 180
 - 5)
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(.1):

- 1) - τ_1, τ_2
 - 2)
 - 3) τ_3
 - 4)
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**EXPERIMENTAL SETTING FOR RESEARCH OF BALLISTICS
 MINES AND SHELLS**

Chygin V.I., Sviderok S.M., Krasnyuk O.P., Kuz'menko R.V., Smychek V.D.

In theory the construction of basic functional elements of the experimental setting and method of research of internal and external ballistics of mines and shells is grounded on spring and pneumatic models. Distances got at measurings of dependence and to the block hours, and also the heights of raising of models of mines and shells from the corner of increase at firing from model mortars are needed for debugging of the system of passive ph t - and radio-locations of trajectory of flight of mines and shells and raising of new method of adjustment of firings taking into account the meteo- and ballistic influencing.

Keywords: experimental setting, aerodynamics, trajectory, shell

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