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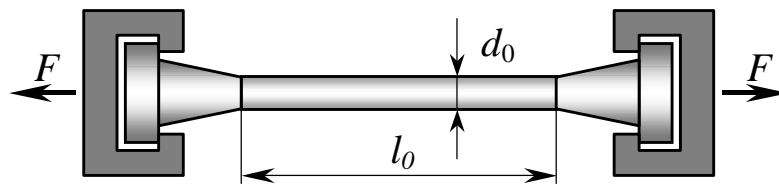
-50,

( .2.1).

( )

$l_0$ .

( )

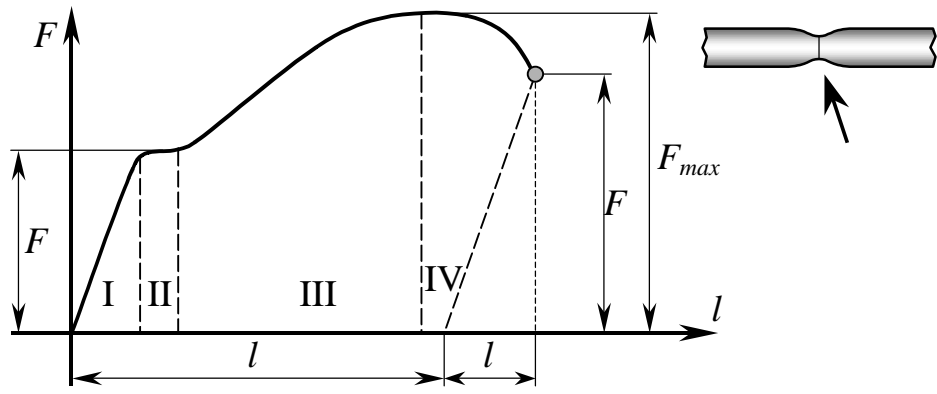


.2.1.

$\Delta l$ .

$F$ ,

.2.2.



.2.2.

( ); V -

$F$ .

$F_{max}$ .

$F$ ,

$\Delta l$ ,

$\Delta l$ ,

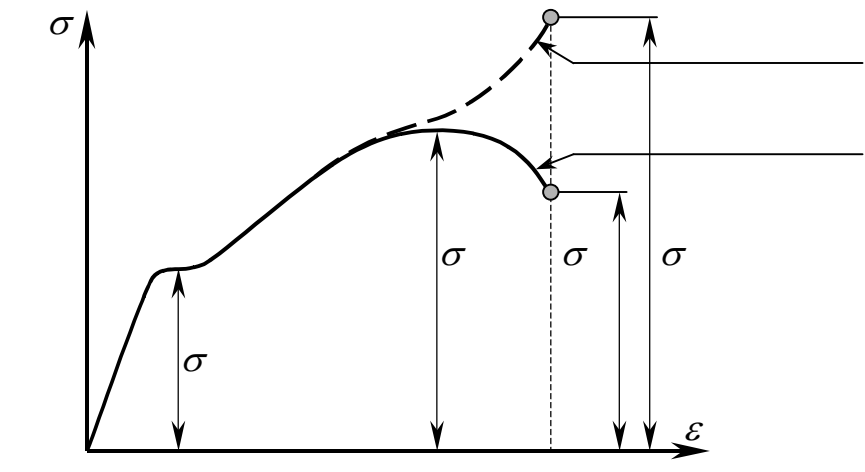
.2.2,

σ, ε.

(.2.3).

F A,

.2.2.



.2.3.

: σ - ; σ -

.2.1.

$$\sigma = \frac{F}{A_0}, \tag{2.1}$$

$$A_0 = \frac{\pi d_0^2}{4}$$

$F$  ,

$$\sigma = \frac{F}{A_0}, \quad (2.2)$$

$$\sigma = \frac{F}{A}, \quad (2.3)$$

$$A = \frac{\pi d^2}{4}$$

(

$\sigma_{0,2}$  ,

$$\varepsilon = 0,2\% = 0,002.$$

$\sigma$

$\sigma$  ,

$$\delta = \frac{l_1 - l_0}{l_0} \cdot 100\% = \frac{\Delta l}{l_0} \cdot 100\% \quad \psi = \frac{F_0 - F}{F_0} \cdot 100\%$$

( $\delta > 10\%$ ),  $\delta$  ( $\delta = 5 \div 10\%$ ) ( $\delta < 5\%$ ).  
 $\delta < 2\%$ . 25% (

$$l_0 =$$

$$d_0 =$$

$$A_0 = \frac{\pi d_0^2}{4} =$$



-  
-  
-

$$l_1 =$$

$$d =$$

$$A = \frac{\pi d^2}{4} =$$

:

$$F =$$

$$F =$$

$$F =$$

:

$$\sigma = \frac{F}{A_0} =$$

$$\sigma = \frac{F}{A_0} =$$

$$\sigma = \frac{F}{A_0} =$$

$$\sigma = \frac{F}{A} =$$

:

$$\Delta l = l_1 - l_0 =$$

$$\delta = \frac{\Delta l}{l_0} \cdot 100\% =$$

1.

2.

3.

4.

5.

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8.

9.

( .2.4)

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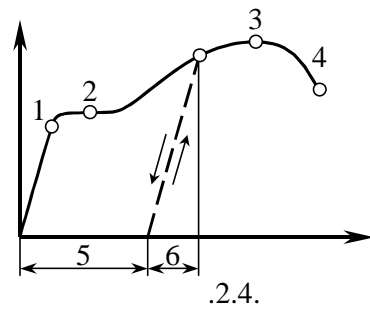
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.2.4,

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.2.4,

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 ... - ., ... , 1996. 288 .
2. ... : / ... , ... : -  
 ... - . 1993. 655 .
3. ... : -  
 / ... , ... , ... - 3  
 . - .: ... , 2001. - 272 .
4. - . URL: <http://www.sopromat.org/> ( 6.12.2019)

	, %	( ' / ²)	( ' / ²)	, %	, %	( ' / ²)
08	0,05÷0,12	196 (20)	320 (33)	33	60	1284 (131)
10	0,07÷0,14	206 (21)	330 (34)	31	55	1401 (143)
15	0,12÷0,19	225 (23)	370 (38)	27	55	1460 (149)
20	0,17÷0,24	245 (25)	410 (42)	25	55	1597 (163)
25	0,22÷0,30	274 (28)	450 (46)	23	50	1666 (170)
30	0,27÷0,35	294 (30)	490 (50)	21	50	1754 (179)
35	0,32÷0,40	314 (32)	530 (54)	20	45	2029 (207)
40	0,37÷0,45	333 (34)	570 (58)	19	45	2127 (217)
45	0,42÷0,50	353 (36)	600 (61)	16	40	2244 (229)
50	0,47÷0,55	373 (38)	630 (64)	14	40	2362 (241)
55	0,52÷0,60	382 (39)	650 (66)	13	35	2499 (255)
60	0,57÷0,65	402 (41)	680 (69)	12	35	2499 (255)

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60×84 1/16. Times New Roman.

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