

() .

5.1.

.
 .
 , .
 :

$$= (S_1 - S_2)D/2,$$

: $S_1 -$, ; $S_2 -$, ;
 $D -$.
 , :

$$S_1 \ N \ S_2 \ \bar{e}^{fr} ,$$

: = 2,718 - ; $f -$
; $r -$.

(. 5.1,)

(S_1).

:

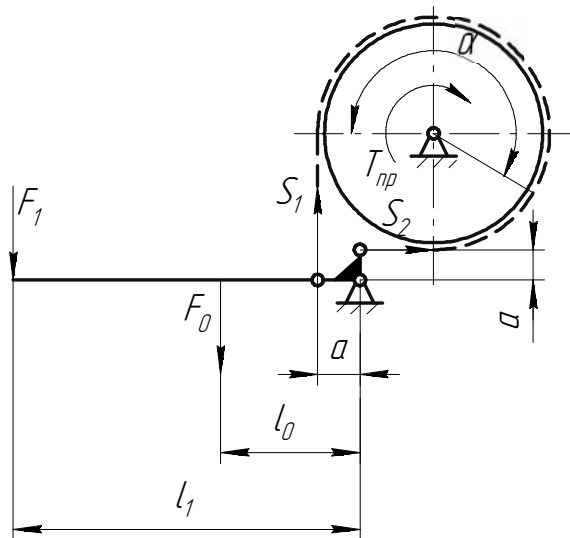
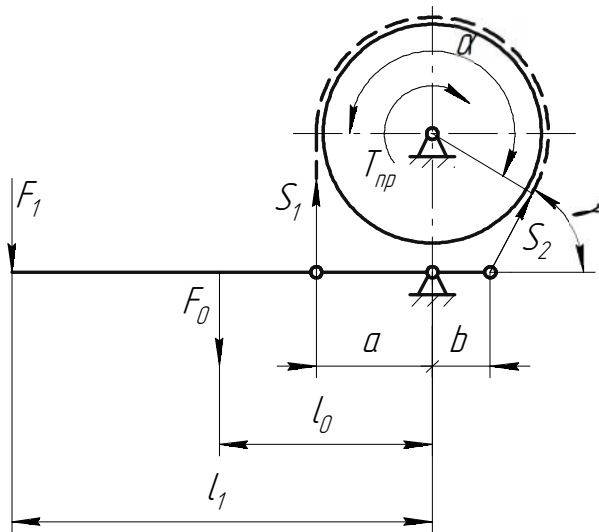
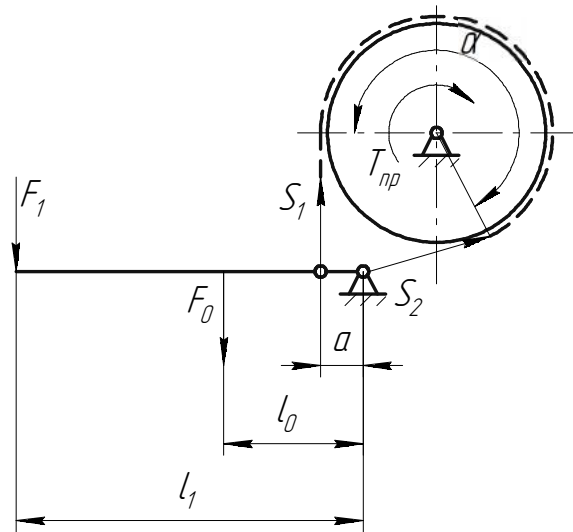
$$T = N(F_1 l_1 < F_0 l_0) \frac{D}{2a} e^{f r} \quad (5.1)$$

(5.1,)

$$T = N(F_1 l_1 < F_0 l_0) \frac{D}{2a} \frac{e^{f r} > 1}{a > b \sin \chi \parallel e^{f r}} \quad (5.2)$$

(5.1,)

S_1



5.1 —

:

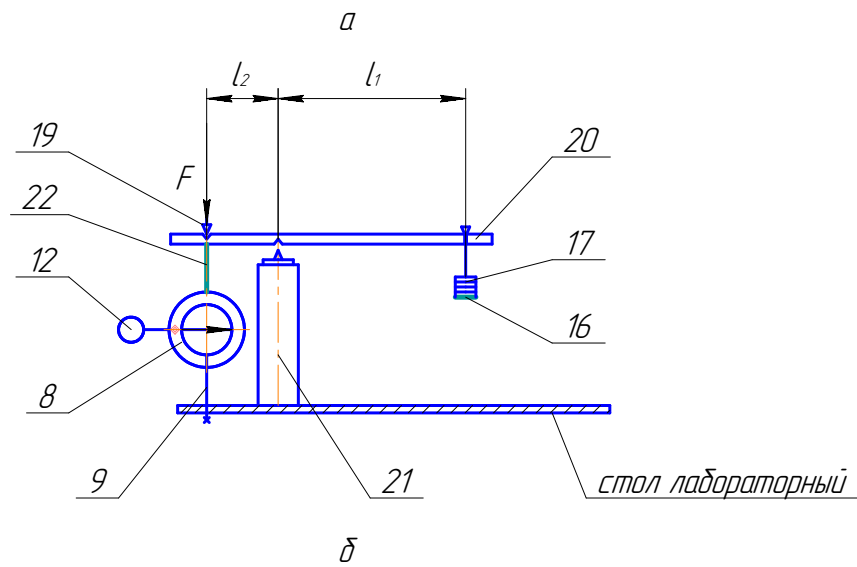
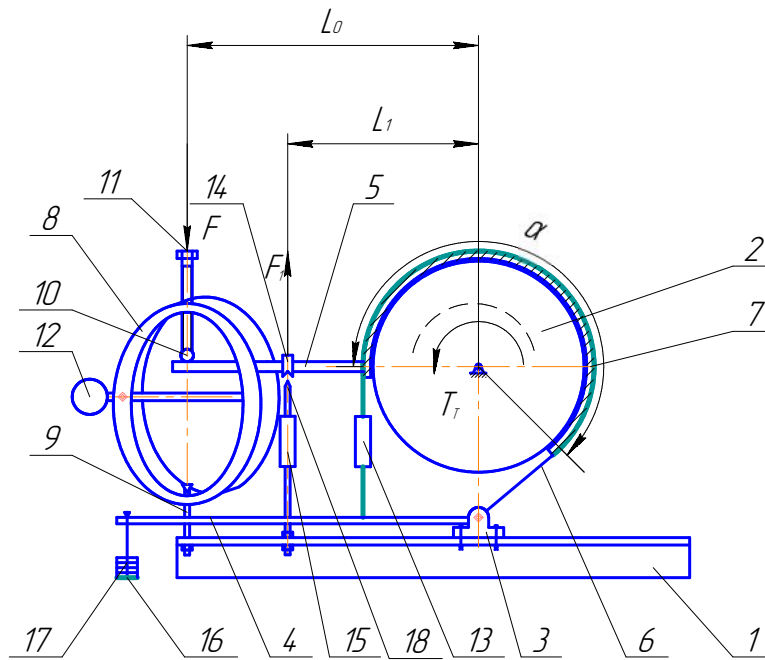
- ; - ; -

S_2

F_1

$$T \quad N (F_1 l_1 < F_0 l_0) \quad \frac{D}{2a} \quad \frac{e^{f'r} > 1}{e^{f'r} < 1} \quad (5.3)$$

5.2.



5.2 -

()

().

. 3

(.5.2,) 1,
 2 3 4 .
 5. 6,
 7,
 . 16 17.
 (.5.2,) 20,
 21 19 22.
 16 17.
 :
 - ;
 - - .

5.3.

(.5.1,): 3 4
 , 6 .
 1. - 4
 (.5.2,) 16 17 ().
 15 ' 18 14. 13
 .
 2. .5.1.
 3. 5, 12
 " ".
 4. 11, .
 $T_T=FL_0 ($
) .5.3.
 5. 11 .3...5.

6. 18 14. 5 15 ,

$$T_{T=F_1L_1}$$

() .5.3.

7. - .

(. 5.1,): 3

; 6 30 .

8. . 1...7. . 5.2.

(. 1,): 3 ,

6 .

9. . 1...7. . 5.3.

10. .

11. , :

- (. 5.2,);

-“ ” ;

- 16 () 17 (mi

), . 5.4;

- ;

- m_i , l_1

l_2 F , 8.

12. $F=f(k)$.

5.4.

1. $k=k_0$ (. 5.2 5.3)

F, 5 (. 5.2) . 5.2 5.3.

2. T .
3. (5.1) e^{fr} ,
- f .
4. (5.1), (5.2) (5.3) T
- m 4. .5.5.
5. $T_T = f(m)$.

5.5.

5.1. *

							α
	a	b	l_0	l_1	D	L	
(.1,)							
(.1,)							
(.1,)							

* $\alpha_{()} = 360L / (\pi D)$; L – ,
 α ; D – .

5.2.

m,			F,	- T =FL ₀	f		
	k	T _T					
	1						
	2						
	3						
	k						

5.3.

		m,		F,	T ,		
-			1				
			2				
			3				
			k				
				1			
				2			
				3			
				k			
-			1				
			2				
			3				
			k				
				1			
				2			
				3			
				k			

5.4.

*

	m_i						
k_0							
$F,$							

*

14 $l_1=$ $l_2=$.

5.5.

,

	$m,$					
	1.0	2.0	3.0	4.0	5.0	6.0

5.6.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

$$T = f(m).$$

1. .
2. .
3. , (5.1), (5.2), (5.3)?
- 4.
5. ?
6. ?
7. ?