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[1, 2]

[3].

[3]

$$S_X = \frac{S_M + \Delta L / K}{f_1(\varphi_p)}, \quad (1)$$

$S_M -$

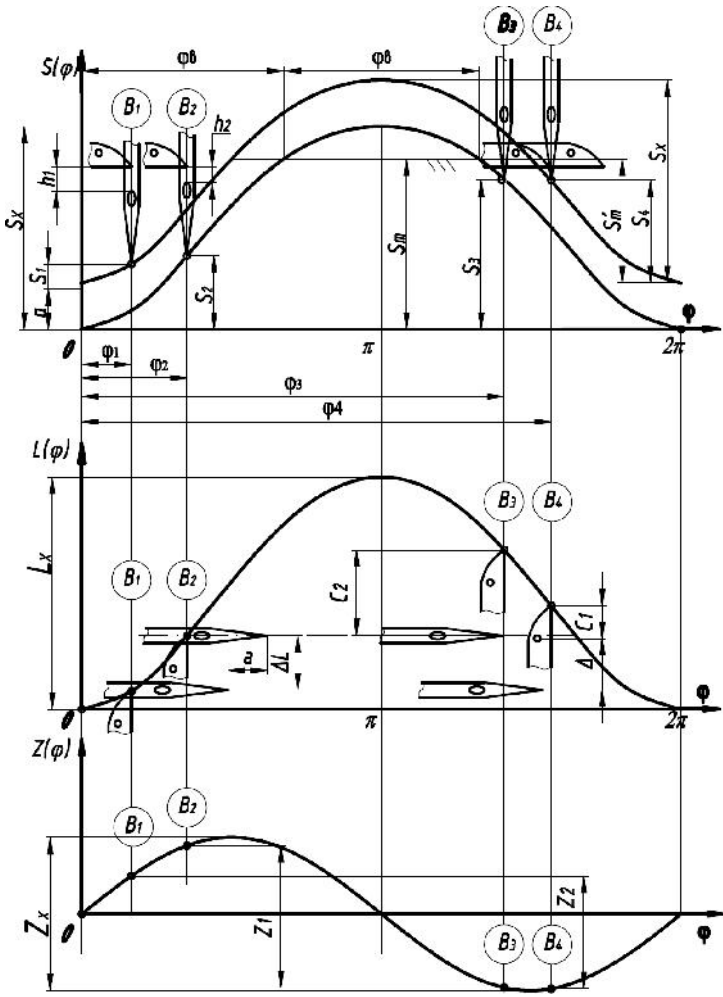
[4].

$\Delta L -$

$\varphi_p -$

$f_1(\varphi_p) -$

$$(f_1(\varphi_p) = 2S(\varphi) / S_X).$$



. 1.

$S(\varphi) - \varphi$

$$S(\varphi) = S(\varphi + \varphi) \geq S_m, \quad (2)$$

$\varphi -$

$S_m -$

$$(2) \qquad (1)$$

« - » , « » ,

$$L_{X1} = \frac{C_1}{f_2(\varphi_4) - f_1(\varphi_1)}, \quad (3) \quad L_{X2} = \frac{C_2}{f_2(\varphi_3) - f_2(\varphi_2)}, \quad (4)$$

$$L_{X3} = \frac{\Delta L \cdot K_0}{f_2(\varphi_4) - f_2(\varphi_2)}, \quad (5)$$

$$f_2(\varphi) = \frac{C_{1,2}}{2L(\varphi)/L_X};$$

$$\varphi_{1...4} \dots 4 \qquad (3-5) \qquad L_X$$

$$Z_{X1} = \frac{Z_1}{f_3(\varphi_1) - f_3(\varphi_4)}, \quad (6) \quad Z_{X2} = \frac{Z_2}{f_3(\varphi_2) - f_3(\varphi_3)}, \quad (7)$$

$$f_3(\varphi) = \frac{2Z(\varphi)}{Z_X},$$

$$Z_{1,2} \dots \qquad 1-4$$

$$Z_{1,2} = d + \delta + f_{1,2},$$

$$d \dots ;$$

$$u \dots ;$$

$$f_{1,2} \dots$$

$$1, 2 (f_{1,2} = 0, 1 \dots).$$

$$(6) \quad (7) \quad Z_X \dots$$

$$(5) \qquad 1-4$$

« », « - »

6-5,5

1 2 « » ( 3 4)  
 « » (4) (5)

$$L_{X_2} = \frac{C_1}{f_2(\varphi_3) - f_2(\varphi_1)}, L_{X_3} = \frac{\Delta L \cdot K}{f_2(\varphi_4) - f_2(\varphi_1)};$$

(7)

$$Z_{X_3} = \frac{Z_2}{f_3(\varphi_1) - f_3(\varphi_3)}.$$

1. [ // - 2012. - 3.   
 : <http://knutd.com.ua/publications/pdf/TD/2012-3/12gvaodr.pdf>
2. [ // - 2013. - 2. -   
 : <http://knutd.com.ua/publications/pdf/TD/2013-2/13gvaodr.pdf>
3. . . . - 1980. - 20 .
4. « » - 2007. - 320 .
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## ANALYSIS MECHANISMS SYNTHROHRAMY FLAT SEWING MACHINE IMPLEMENTATION OF A NEW TYPE STITCH

*The paper presents a method for determining the optimum parameters of sewing machine parts mechanisms that provide the possibility of implementing a new type of flat chain stitch. The technique can be applied in the design of new mechanisms Flat sewing machines.*