Исходные данные									
$\omega_I = 10 c^{-I}$	Размеры	$l_{AB}$	$l_{BC}$	$l_{EF}$	У	$l_{CD}$			
$l_{AB}=0.088$ m $\varphi_I=0^\circ$									
	М	0.088	0.293	0.293	0.293	0.196			
	мм	30	99.9	99.9	99.9	66.9			
Построим план механизма с маштабным коэфф	пппынтом .								
$\mu_l = l_{AB}/AB = \frac{0.088}{30} = 0.0029 \frac{M}{MM}$	uquennosn .								
Построим план скоростей									
$v_B = \omega_1 \times l_{AB} = 10 \times 0.088 = 0.88 \text{ m/c}$									
$\mu_{v} = v_{B}/pb = \frac{0.88}{170} = 0.0052 \frac{MC}{MM}$									
$\left\{ \begin{array}{l} \overline{v}_C = \overline{v}_B + \overline{v}_{CB}; \ \overline{v}_{CB} \perp_{BC} \\ \overline{v}_C = \overline{v}_D + \overline{v}_{CD}; \ \overline{v}_{CD} \perp_{CD} \end{array} \right.$									
	BS A	05 1 1	176						
$\overline{v}_E$ из подобия $\overline{v}_S$ найдём из подобия, счита $\overline{v}_F = \overline{v}_E + \overline{v}_{FE}$ $\overline{v}_F$ // x-x	ія заоанным <del>С</del> S= <del>T</del>	<del>s</del> ac=ae∙	=1/0 <i>MM</i>						
$v_C = \mu_v \times pc = 0.0052 \times 176 = 0.9106$ m/c									
$v_E = \mu_v \times pe = 0.0052 \times 176 = 0.9106$ m/c									
$v_F = \mu_v \times pf = 0.0052 \times 51 = 0.2662 \text{ m/c}$									
$v_S = \mu_v \times p_S = 0.0052 \times 173 = 0.8976 \ \text{M/c} \ v_{CB} = \mu_v \times bc = 0.0052 \times 16 = 0.0822 \ \text{M/c}$									
$v_{FE}$ = $\mu_v$ × $fe$ = $0.0052$ × $174$ = $0.9028$ $_{M}/c$									
$\omega_2 = v_{CB}/l_{CB} = \frac{0.082}{0.293} = 0.28 \ c^{-1}$									
$\omega_3 = v_{CD}/l_{CD} = \frac{0.911}{0.196} = 4.64 \text{ c}^{-1}$									
$\omega_4 = v_{FF}/l_{FE} = \frac{0.903}{0.203} = 3.081 \text{ c}^{-1}$									
Построим план ускорений									
$a_{B} = \omega_{1}^{2} \times l_{AB} = 10^{2} \times 0.088 = 8.8 \text{ m/c}^{2}$									
$\mu_a = a_B/p_1 b = \frac{8.8}{200} = 0.044 \frac{\text{M C}}{\text{MM}}$									
$\mu_a - u_{B'} p_1 v - \frac{1}{200} - v \cdot v + \frac{1}{MM}$									
$ \left\{ \begin{matrix} \overline{a_C} = \overline{a_B} + \overline{a_{CB}^n} + \overline{a_{CB}^\tau} & \overline{a_{CB}^n} / BC & \overline{a_{CB}^\tau} \bot BC & a_{CB}^n = v_{CB}^2 / l_{CB} = 0.082^2 / 0.293 = 0.023  \text{м/c}^2  (0.5  \text{мм на плане}) \\ \overline{a_C} = \overline{a_D} + \overline{a_{CD}^\tau} + \overline{a_{CD}^\tau} & \overline{a_{CD}^\tau} / CD & \overline{a_{CD}^\tau} \bot CD & a_{CD}^n = v_{CD}^2 / l_{CD} = 0.911^2 / 0.196 = 4.229  \text{м/c}^2  (96.1  \text{мм на планe}) \end{matrix} \right. $									
 a <sub>S2</sub> a <sub>E</sub> из подобия dc=de=98 мм									
$\overline{a_F} = \overline{a_E} + \overline{a_{FE}^n} + \overline{a_{FE}^\tau} + \overline{a_{FE}^\tau$									
$a_C = \mu_a \times p_1 c = 0.044 \times 98 = 4.3003 \text{ m/c}^2$									
$a_F = \mu_a \times p_1 f = 0.044 \times 161 = 7.1055 \text{ m/c}^2$ $a_E = \mu_a \times p_1 e = 0.044 \times 98 = 4.3003 \text{ m/c}^2$									
$a_S = \mu_a \times p_1 s = 0.044 \times 125 = 5.5193 \text{ m/c}^2$									
$a_{CB} = \mu_a \times bc = 0.044 \times 80 = 3.5309 \text{ M/}c^2$									
$a_{FE} = \mu_a \times fe = 0.044 \times 64 = 2.8058 \text{ m/c}^2$									
$a_{CB}^{\tau} = 80 \times 0.044 = 3.531 \text{ m/c}^2$									
$a_{CD}^{\tau} = 18 \times 0.044 = 0.796 \text{ m/c}^2$									
$a_{FE}^{\tau} = 8 \times 0.044 = 0.371 \text{ m/c}^2$									
$\varepsilon_2 = a_{CB}^{\tau}/l_{CB} = \frac{3.531}{0.293} = 12.049 \text{ c}^{-2}$									
$\varepsilon_3 = a_{CD}^{\tau}/l_{CD} = \frac{0.796}{0.196} = 4.059 \text{ c}^{-2}$									
$\varepsilon_4 = a_{FE}^{\tau}/l_{FE} = \frac{0.37l}{0.293} = 1.267 c^{-2}$									
-4 " PE-PE 0,293 ", "									

 $l_{ED}$ 

0.196

66.9

 $\boldsymbol{x}$ 

0.205

69.9

 $l_{BS}$ 

0.176

*60* 

					Кафедра "Детали машин и ПТУ"						
Изм.	Лист	№ докум.	Подпись		, , , , , ,						
Раз	раб.					Лит.	Лист	Листов			
Провер.				Кинематическое исследование механизма							
Н. контр.											
Утв	ержд.										