

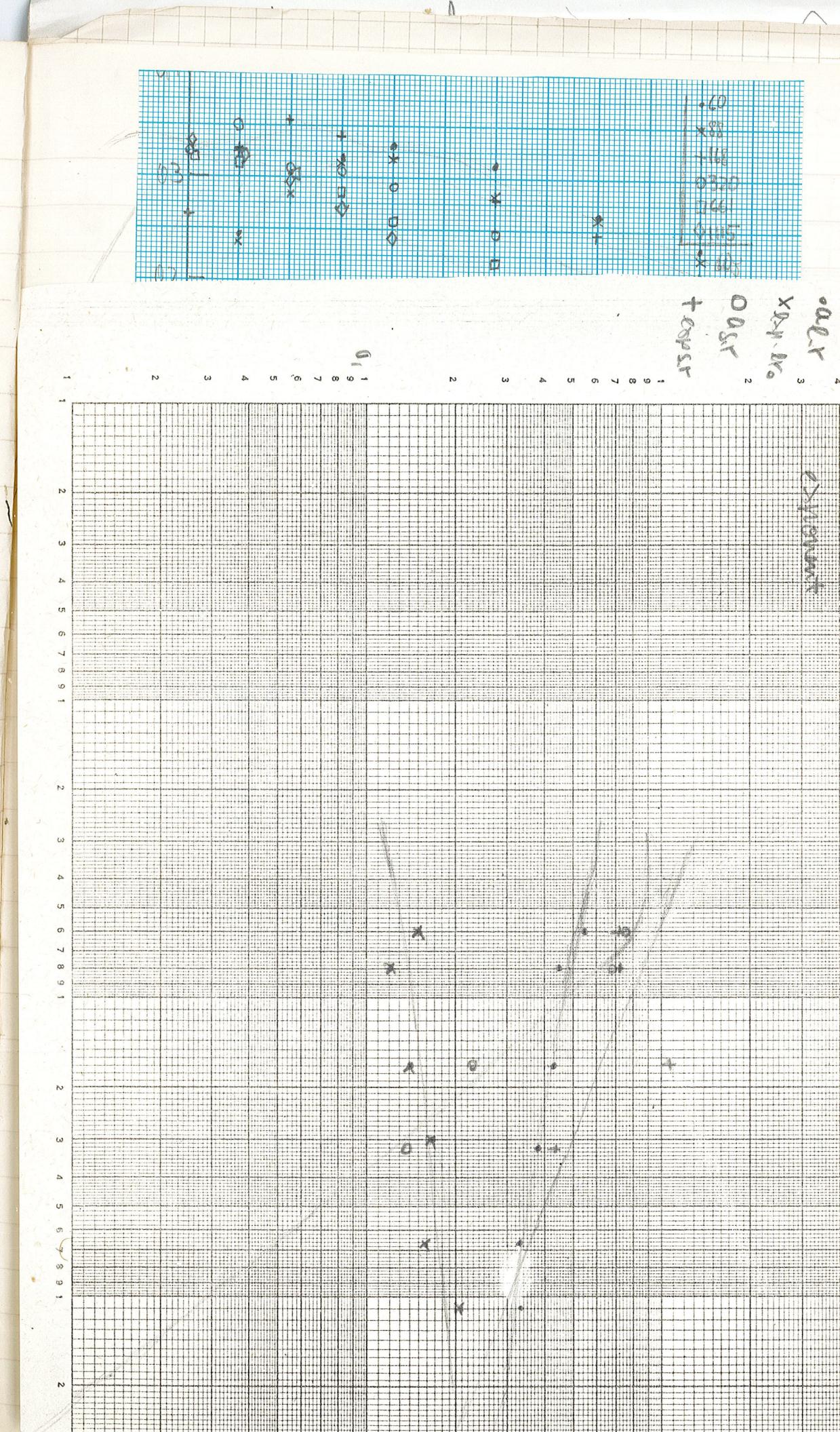
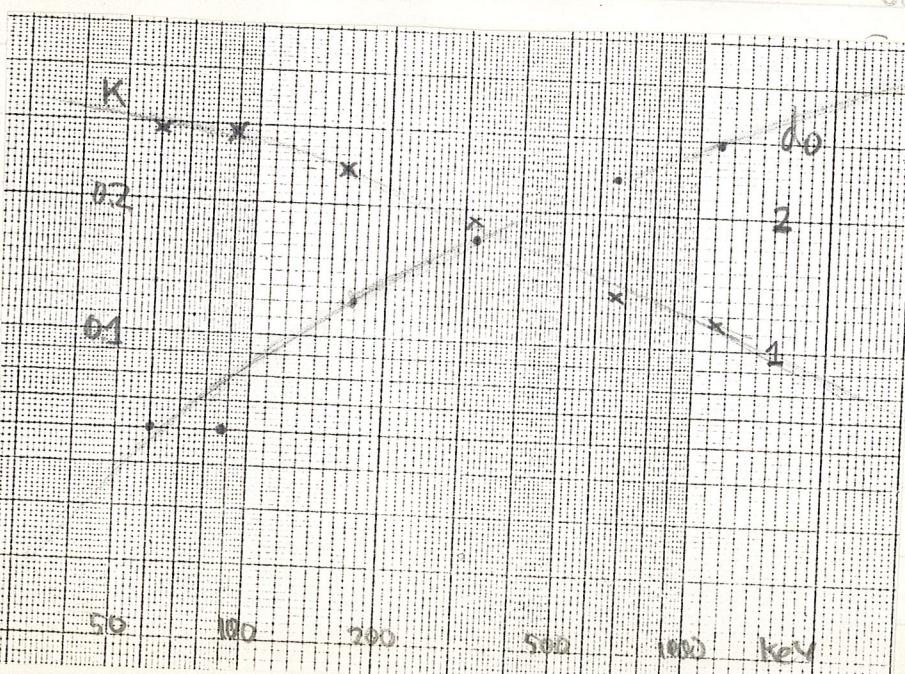
KOEFICIENT PREI EXPONENTNO PODNEKMO:

ABSOLOUTNA VREDNOST EXPONENTA $\eta_p = \eta_{p(0)} e^{-2(\lambda_0)}$

k	60	88	168	320	661	1115
0	0.8683	0.8618	0.7371	0.6734	0.6786	0.6649
0,5	0.7539	0.7631	0.6728	0.6499	0.6858	0.6800
1	0.6970	0.7146	0.6460	0.6889	0.6966	0.7053
1,5	0.6707	0.6848	0.6599	0.6924	0.7165	0.7310
2	0.6695	0.6815	0.6274	0.7074	0.7417	0.7597
3	0.6872	0.7180	0.7002	0.7532	0.7817	0.8270
4	0.7358	0.7396	0.7552	0.8039	0.8122	0.8363
5	0.7680	0.7762	0.7935	0.8317	0.8515	0.8777

t_k

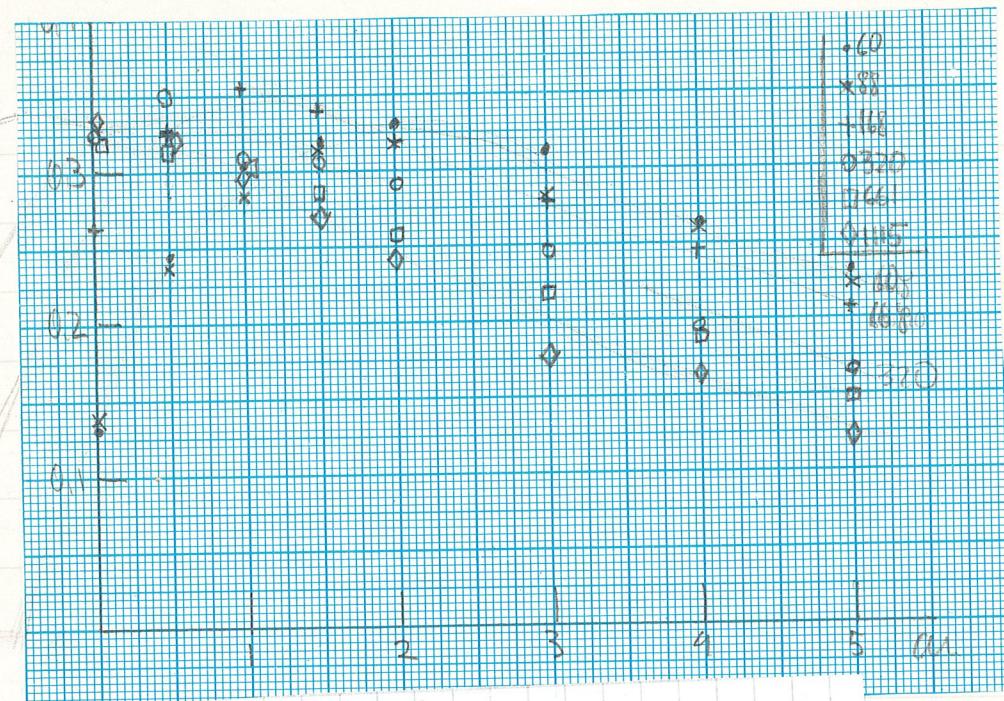
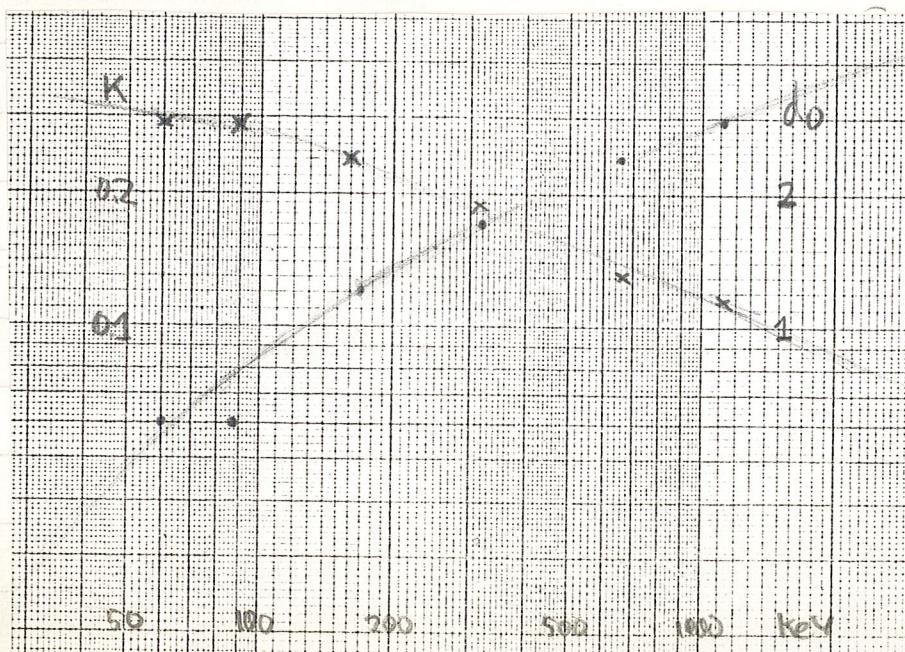
t_k	0	0,1317	0,1382	0,2629	0,3266	0,3214	0,3351
0,7	0,2461	0,2369	0,3272	0,3501	0,3142	0,3206	
1	0,3030	0,2854	0,3540	0,3111	0,3034	0,2947	
1,5	0,3299	0,3152	0,3401	0,3076	0,2835	0,2690	
2	0,3305	0,3185	0,3226	0,2926	0,2583	0,2403	
3	0,3128	0,2820	0,2789	0,2468	0,2183	0,1730	
4	0,2642	0,2604	0,2448	0,1961	0,1878	0,1637	
5	0,2320	0,2238	0,2065	0,1683	0,1485	0,1223	



KOEFICIENT PREDOJ EXPONENCIJNOJ FORMULE:
ABSOLUTNA VREDNOST EXPONENTA $\eta_p = \eta_{p0} e^{-2(\lambda t)}$

60	88	168	320	661	1115
0.8683	0.8618	0.7371	0.6734	0.6786	0.6649
0.7539	0.7631	0.6428	0.6499	0.6858	0.6800
0.6970	0.7146	0.6460	0.6889	0.6966	0.7053
0.6701	0.6848	0.6599	0.6924	0.7165	0.7310
0.6695	0.6815	0.6234	0.7074	0.7417	0.7597
0.6872	0.7180	0.702	0.7532	0.7817	0.8270
0.7358	0.7396	0.5552	0.8039	0.8122	0.8363
0.7680	0.7762	0.7935	0.8317	0.8515	0.8777

0,1317	0,1382	0,2629	0,3266	0,3214	0,3351
0,2461	0,2369	0,3272	0,3501	0,3142	0,3206
0,3030	0,2854	0,3540	0,3111	0,3034	0,2947
0,3299	0,3152	0,3401	0,3076	0,2835	0,2690
0,3305	0,3185	0,3226	0,2926	0,2583	0,2403
0,3128	0,2820	0,2789	0,2468	0,2183	0,1730
0,2642	0,2604	0,2448	0,1961	0,1878	0,1637
0,2320	0,2238	0,2065	0,1683	0,1485	0,1223



expt. 30	d(3)	d(2)	d(1)	d(0)	0,55	0,44	0,33	0,22	0,11	0,00
0,15	0,15	0,15	0,15	0,15	0,15	0,15	0,15	0,15	0,15	0,15
0,12	0,12	0,12	0,12	0,12	0,12	0,12	0,12	0,12	0,12	0,12
0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,11
0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10

E	60	88	168	320	661	1115
0,38	0,38	0,17	0,17	0,17	0,17	0,17
0,33	0,33	0,16	0,16	0,16	0,16	0,16
0,34	0,34	0,21	0,21	0,21	0,21	0,21

$$d_{\text{av}} = \frac{1}{n} - d_0$$

$$k = k_0 e^{\lambda d_0}$$

$$k = k_0 d_0 e^{-\lambda d_0}$$

$$0,29$$

$$0,29$$

$$0,24$$

$$0,19$$

$$0,133$$

$$0,115$$

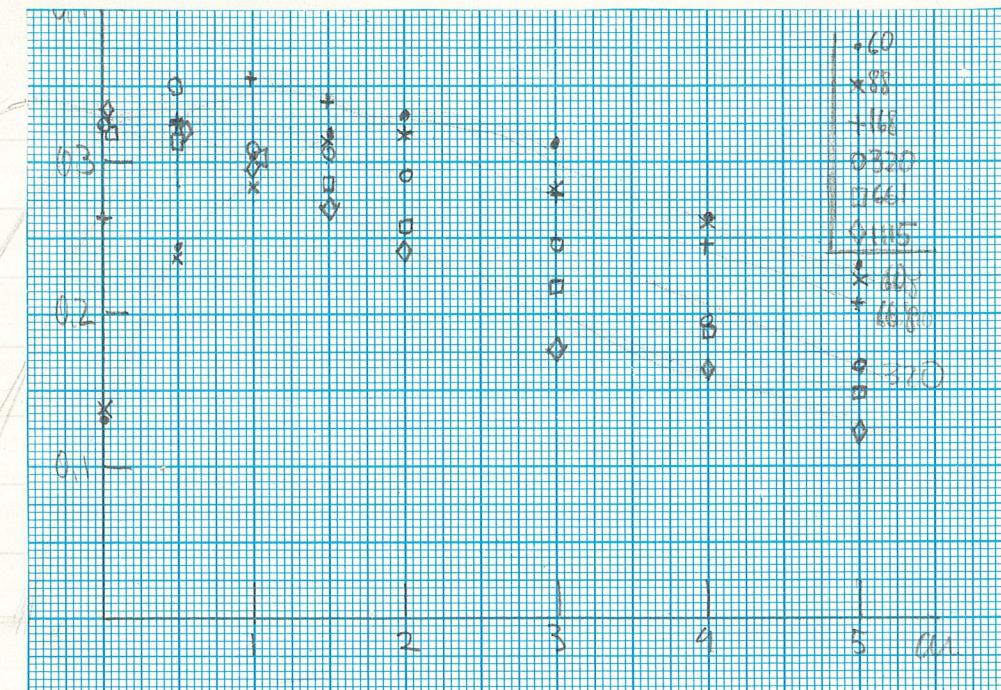
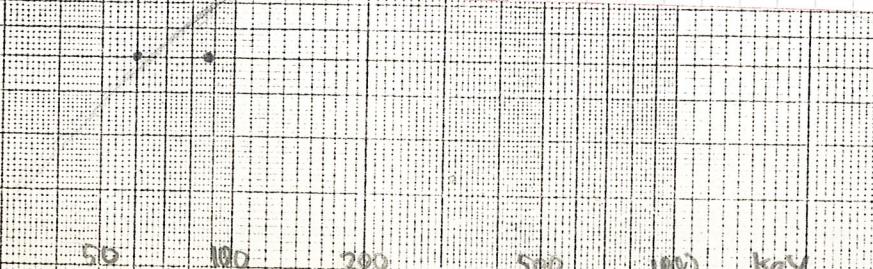
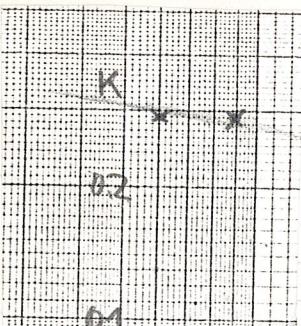
KOEFICIENT PREI EXPONENTNOJ FORMULI:

ABSOLUTNA VREDNOST EXPONENTA $\eta_p = \eta_{p(0)} e^{-\lambda(d_0)}$

k	60	88	168	320	661	1115
0	0.8683	0.8618	0.7371	0.6734	0.6286	0.6649
0,5	0.7539	0.7631	0.6728	0.6499	0.6898	0.6800
1	0.6970	0.7146	0.6460	0.6889	0.6966	0.7053
1,5	0.6707	0.6848	0.6599	0.6924	0.7165	0.7310
2	0.6695	0.6815	0.6324	0.7074	0.7417	0.7597
3	0.6872	0.7180	0			
4	0.7358	0.7396	0			
5	0.7680	0.7762	0			

+k

0	0,317	0,382
0,5	0,2461	0,2369
1	0,3030	0,2854
1,5	0,3299	0,3152
2	0,3305	0,3185
3	0,3128	0,2820
4	0,2642	0,2604
5	0,2320	0,2238



$$k' = 1 - K(d) = k (d + d_0) e^{-\lambda(d + d_0)}$$

$$K(0) = K d_0$$

$$\frac{dk'}{dd} = k e^{-\lambda d} + (d + d_0) k (-\lambda) e^{-\lambda d} \quad (d_{max} + d_0) \lambda = 1 \quad d_{max} = \frac{1}{\lambda} - d_0$$

$$k(d_{max}) = k \left(\frac{1}{\lambda} - d_0 + d_0 \right) e^{-\lambda \left(\frac{1}{\lambda} - d_0 \right)} = \frac{k}{\lambda} e^{1 + \lambda d_0} = \frac{k}{\lambda} e^{\lambda d_0}$$

korak:

d ₀	K'(0)	k = $\frac{K'(0)}{d_0}$	d _{max}	$\lambda = \frac{1}{d_{max} + d_0}$	k ₀	k = k ₀ x d ₀ e ^{-\lambda d_0}
60	0,6	0,317	0,22	2,2	0,42	0,33
88	0,6	0,382	0,73	2,2	0,42	0,35
168	1,2	0,7679	0,72	1,2	0,42	0,35
320	1,7	0,3266	0,192	0,4	0,48	0,34
661	2,4	0,3714	0,134	0,2	0,38	0,32
1115	2,9	0,3316	0,114	-0,5	0,42	0,34

$$\bar{\lambda} = 0,42$$

ЛНТЕГРАЦИЯ ПО ОДНОМУ

$$\gamma_{\text{BS}}(t) = \begin{cases} \gamma_{\text{BS}}(0)(1-\alpha t^m) & t < t_1 \\ \gamma_{\text{BS}}(0)A e^{-\lambda(t-t_1)} & t_1 < t < t_2 \\ \gamma_{\text{BS}}(0)[A e^{-\lambda(t-t_1)} + k(t-t_2)] & t_2 < t \end{cases}$$

$$\begin{aligned}
& \Im_{FS} = \frac{2\pi}{\pi R^2} \int_0^R g_{PS}(r) r dr = \frac{2}{R^2} \int_0^R g_{PS}(r) r dr = \frac{2}{R^2} \left[\int_0^{r_1} g_{PS}(r) r dr + \int_{r_1}^{r_2} g_{PS}(r) r dr + \int_{r_2}^R g_{PS}(r) r dr \right] = \\
& = \frac{2}{R^2} \left[g_{PS}(0) \int_0^{r_1} (1 - \alpha r^m) r dr + \int_0^{r_1} g_{PS}(0) A e^{-\lambda(r-r_1)} r dr + \int_{r_1}^{r_2} g_{PS}(A e^{-\lambda(r-r_1)} + k(r-r_1)) r dr \right] = \\
& = \frac{2g_{PS}(0)}{R^2} \left[\frac{r_1^2}{2} - \frac{\alpha r_1^{m+2}}{m+2} + \int_{r_1}^{r_2} A e^{-\lambda(r-r_1)} r dr + \int_{r_1}^{r_2} A e^{-\lambda(r-r_1)} r dr + \int_{r_2}^R k(r-r_2) r dr \right] = \\
& = \frac{2g_{PS}(0)}{R^2} \left[\frac{r_1^3}{3} - \frac{\alpha r_1^{m+2}}{m+2} + A e^{\lambda r_2} \left[\frac{e^{-\lambda r}}{\lambda^2} (-\lambda r - 1) \right] \Big|_{r_1}^R + k \left[\int_{r_2}^R r^2 dr - r_2^2 \right] r dr \right] = \\
& = \frac{2g_{PS}(0)}{R^2} \left[\frac{r_1^2}{2} - \frac{\alpha r_1^{m+2}}{m+2} + \frac{A}{\lambda^2} e^{\lambda r_2} \left[e^{-\lambda R} (-\lambda R - 1) - e^{-\lambda r_1} (\lambda r_1 + 1) \right] + k \left[\frac{r_2^3}{3} - r_2^2 \frac{R^2}{2} \right] \right] = \\
& = \frac{2g_{PS}(0)}{R^2} \left[\frac{r_1^2}{2} - \frac{\alpha r_1^{m+2}}{m+2} + \frac{A}{\lambda^2} \left[-e^{-\lambda(R-r_1)} (\lambda R + 1) + (\lambda r_1 + 1) \right] + k \left(R^2 r_2^3 - \frac{r_2^3}{3} (R^2 - r_2^2) \right) \right] = \\
& = \frac{2g_{PS}(0)}{R^2} \left[\frac{r_1^3}{2} - \frac{\alpha r_1^{m+2}}{m+2} + \frac{1}{\lambda^2 R^2} \left[-e^{-\lambda(R-r_1)} (\lambda R + 1) + (\lambda r_1 + 1) \right] + k \left[\frac{R^3}{3} r_2^3 - \frac{r_2^3}{2} R^2 + \frac{r_2^3}{2} \right] \right] = \\
& = \frac{2g_{PS}(0)}{R^2} \left[\frac{r_1^2}{2} - \frac{\alpha r_1^{m+2}}{m+2} + \frac{1}{\lambda^2} \left[-e^{(\lambda R - r_1)} (\lambda R + 1) + (\lambda r_1 + 1) \right] + k \left(\frac{R^3}{3} + \frac{r_2^3}{6} - \frac{r_2^2 R^2}{2} \right) \right] = \\
& = g_{PS}(0) \left[r_1^2 - \frac{2\alpha r_1^{m+2}}{m+2} + \frac{24}{\lambda^2} \left[\right. \right. + 2k \left. \left. \right] \right]
\end{aligned}$$

E	η_0	d	MU	n	POT E NCE	EXPOENT	KON	660
		do	m	A _{b3}	k _b	k _b	k _a	
30	15	370000	10 ⁶	2.0	0.079	0.006	6.9	0.1776 0.2 0.03
40	21	37.08	10 ⁶	1.8	0.078	0.013	0.78	0.775 0.165 0.01
60	27	3670000	10 ⁶	1.5	0.076	0.05	0.7	0.772 0.13 0.03
80	31	60000	100	1.4	0.076	0.12	0.66	0.770 0.11 0.06
100	34	600	180	1.3	0.075	0.19	0.62	0.767 0.095 0.12
110	36	130	42	1.5	0.074	0.29	0.60	0.765 0.085 0.20
140	37	60	18	1.07	0.073	0.39	0.57	0.763 0.077 0.28
60	37	37	11	0.98	0.0225	0.49	0.55	0.761 0.072 0.038 0.5
70	37	38	11	0.98				
80	37	24	7.9	0.94	0.022	0.58	0.54	0.759 0.067 0.49
100	36	17	6.0	0.80	0.021	0.68	0.52	0.757 0.063 0.60
110	33	9.6	3.9	0.67	0.020	0.95	0.49	0.753 0.055 0.80
100	30	6.3	3.2	0.57	0.019	1.70	0.47	0.749 0.050 1.20
100	24	5.2	2.6	0.43	0.017	1.55	0.44	0.743 0.042 1.7
100	19.4	4.8	2.4	0.35	0.016	1.9	0.41	0.737 0.037 2.0
6	14.7	4.2	2.2	0.26	0.013	2.1	0.38	0.728 0.030 2.5
10	11.7	3.7	2.05	0.18	0.0128	3.0	0.34	0.716 0.026 3.0
100	5.8	3.5	1.95	0.095	0.0094	4.2	0.29	0.700 0.016 3.7
100	4.1	3.5	1.95	0.070	0.0078	5	0.26	0.190 0.0125 3.7
/	T0	T1	T2	73	74	75	76	V0 V1 V2 V3

$$d_2 = \frac{1}{2} \left[\mu(u^2 y) - \delta \left(\frac{u}{u_2} \right) \right]^{-1}$$

0.3	00	100	0.72	1.35	75
10	11	210	0.20	1.00	
		300	0.15	1.66	
		400	0.167	1.90	
		500	0.154	2.10	44

6.5.88. KONTROLA FIZORUŠKIH OV

ORANTE: $T = 17:53:42 \quad N = 14257 \quad (E = 1461 \text{ bel})$, splošno $\rho_{90} \times 10,1$
 $\bar{n}_{01} = 0,22$

$$\text{PREVERJANJE S VOKI } \eta = \frac{N - \bar{n}_{01}}{mb \cdot a} \quad m = m_{\text{kali}} \quad b = 0,1067 \quad a = 30,52$$

$\varnothing 60 \times 47 \quad T = 2:43:15 \quad N = 3837 \quad \bar{n} = 0,3611 \quad m = 1gk$

$$\text{VODA } \eta = \frac{0,3611 - 0,220}{2,01067 \cdot 30,52} = 2,17\%$$

$$\eta(\varnothing 90 \times 47, g=1, \mu=0,057, E=1461) = 2,24\% \quad \text{EFFNI1}$$

$$R = \frac{2,24}{2,17} = 1,03$$

$\varnothing 60 \times 42 \quad T = 2:28:37 \quad N = 2781 \quad \bar{n} = 0,3119, \quad m = 1gk$

$$\text{VODA } \eta = \frac{0,3119 - 0,220}{1,01067 \cdot 30,52} = 7,82\%$$

$$\eta(\varnothing 60 \times 42, g=1, \mu=0,057, E=1461) = 7,95\% \quad R = \frac{7,95}{7,85} = 1,05 \quad \text{EFFNI1}$$

$\varnothing 60 \times 8 \quad T = 2:23:32 \quad N = 360 \pm 170 \quad \bar{n} = 0,2740 \quad m = 0,3gk$

$$\text{VODA } \eta = \frac{0,2740 - 0,220}{0,3 \cdot 30,52 \cdot 0,1067} = 5,52\%$$

$$\eta(\varnothing 60 \times 8, g=1, \mu=0,057, E=1461) = 5,54\% \quad R = \frac{5,54}{5,52} = 1,00 \quad \text{EFFNI1}$$

PREDVJANGE ZURAMON:

$$T = 1:49:29 = 6569 \text{ s}$$

$$\eta = \frac{\bar{n}}{N} = \frac{\bar{n}}{12450 \text{ bel} / 10,1 \cdot m \cdot a \cdot b}$$

E	N	$\bar{n}\%$	$\bar{n} = \frac{N}{m \cdot a \cdot b}$	\bar{n}^*	η_{EFFNI1}
63	92025	3,8	14,01	94,6	19,8 0,197 13,9 0,96
92	137339	5,41	20,91	134,7	15,6 0,174 16,3 1,04
144	10571	0,55	1,61	13,7	11,7 0,169 19,5 1,7
(86	92276	7,88 = $7,63 \frac{975+85}{575}$	14,05	71,71	19,6 0,140 18,6 0,95
1001	8601	0,74	1,31	18,43	7,1 0,071 6,5 0,92
					$R = \frac{\eta}{\eta^*}$

POPREČNO ODDOTO POMATE JE 5%, KAR JE OK.

PRI $E = 1461 \text{ bel}$, SO PREGLE MED MEDIENO IN PRIDUNAVO
 EFF VOKI PO STATISTIČNIH MOPAK