

$$t_a = \frac{|a_1 - a_2|}{K \left(\frac{s_{a1}^2}{s_{y/x_1}^2} + \frac{s_{a2}^2}{s_{y/x_2}^2} \right)^{1/2}} \quad K = \left(\frac{s_{y/x_1}^2(n_1 - 2) + s_{y/x_2}^2(n_2 - 2)}{n_1 + n_2 - 4} \right)^{1/2}$$

$$t_b = \frac{|b_1 - b_2|}{K \left(\frac{s_{b1}^2}{s_{y/x_1}^2} + \frac{s_{b2}^2}{s_{y/x_2}^2} \right)^{1/2}}$$

$$w_i = \frac{s_i^{-2}n}{\sum_i s_i^{-2}} \quad \bar{x}_w = \frac{\sum w_i x_i}{n} \quad \bar{y}_w = \frac{\sum w_i y_i}{n} \quad b_w = \frac{\sum (w_i x_i y_i) - n \bar{x}_w \bar{y}_w}{\sum w_i x_i^2 - n \bar{x}_w^2}$$

$$s_{(y/x)_w} = \sqrt{\frac{\sum_i w_i (y_i - \hat{y}_i)^2}{n - 2}} \quad s_{x_{0w}} = \frac{s_{(y/x)_w}}{b_w} \sqrt{\frac{1}{w_0} + \frac{1}{n} + \frac{(y_0 - \bar{y}_w)^2}{b_w^2 \left(\sum_i w_i x_i^2 - n \bar{x}_w^2 \right)}}$$

$$b = \frac{\sum_i (x_i y_i) - \bar{x} \sum_i y_i}{\sum_i x_i^2 - \bar{x} \sum_i x_i} \quad s_{y/x} = \sqrt{\frac{\sum_i (y_i - \hat{y}_i)^2}{n - 2}} \quad s_b = \frac{s_{y/x}}{\sqrt{\sum_i (x_i - \bar{x})^2}}$$

$$s_a = s_{y/x} \sqrt{\frac{\sum_i x_i^2}{n \sum_i (x_i - \bar{x})^2}}$$

$$r = \frac{n \sum_i x_i y_i - \sum_i x_i \sum_i y_i}{\sqrt{(n \sum_i x_i^2 - (\sum_i x_i)^2)(n \sum_i y_i^2 - (\sum_i y_i)^2)}} \quad s_{x_0} = \frac{s_{y/x}}{b} \sqrt{\frac{1}{m} + \frac{1}{n} + \frac{(y_0 - \bar{y})^2}{b^2 \sum_i (x_i - \bar{x})^2}}$$

$$s_{\text{skupni}}^2 = \frac{\sum_{j=1}^k (n_j - 1) s_j^2}{\sum_{j=1}^k (n_j - 1)}$$

$$M = \ln(s_{\text{skupni}}^2) \left(\sum_{j=1}^k (n_j - 1) \right) - \sum_{j=1}^k (n_j - 1) \ln(s_j^2)$$

$$k = \frac{V_R - V_M}{V_M} = \frac{V_{R'} - V_M}{V_M} = \frac{t_R - t_M}{t_M} = \frac{t_{R'}}{t_M} \quad \alpha = \frac{k_2}{k_1} = \frac{V_{R2'}}{V_{R1'}} = \frac{t_{R2'}}{t_{R1'}}$$

$$R_s = \frac{2(t_{R2} - t_{R1})}{w_{b1} + w_{b2}} = \frac{1}{4} \sqrt{N} \left(\frac{\alpha - 1}{\alpha} \right) \left(\frac{k_2}{1 + k_2} \right)$$

$$N = \left(\frac{V_R}{\sigma} \right)^2 = \left(\frac{t_R}{\sigma} \right)^2 = 16 \left(\frac{V_R}{w_b} \right)^2 = 16 \left(\frac{t_R}{w_b} \right)^2 = 5.545 \left(\frac{V_R}{w_{1/2}} \right)^2 = 5.545 \left(\frac{t_R}{w_{1/2}} \right)^2 \quad H = \frac{L}{N}$$

$$A_s = \frac{\beta}{\alpha}$$

$$w_b = 1.6985 \cdot w_{1/2} = 4 \cdot \sigma$$

$$R_F = \frac{b}{a} \quad R_s = \frac{2(b_2 - b_1)}{w_1 + w_2} \quad N = 16 \left(\frac{b}{w} \right)^2 \quad H = \frac{a}{N}$$

$$E = \frac{V}{L} \quad v_{EP} = \mu_{EP} \cdot E \quad v_{EOF} = \mu_{EOF} \cdot E = \frac{l}{t_{nm}} \quad \mu_{app} = \frac{l \cdot L}{t_m \cdot V} \quad \mu_{EP} = \frac{l \cdot L}{V} \left(\frac{1}{t_m} - \frac{1}{t_{nm}} \right)$$

$$N = \frac{\mu_{app}}{2 \cdot D} V \frac{l}{L} = \frac{l^2}{2 \cdot D \cdot t_m}$$

Tabela 1. Kritični F , enostranski, $P=0,05$

v	1	2	3	4	5	6	7	8	9	10	12	15	20	24
1	161.45	199.50	215.71	224.58	230.16	233.99	236.77	238.88	240.54	241.88	243.91	245.95	248.01	249.05
2	18.513	19.000	19.164	19.247	19.296	19.330	19.353	19.371	19.385	19.396	19.412	19.429	19.446	19.454
3	10.128	9.5521	9.2766	9.1172	9.0135	8.9406	8.8867	8.8452	8.8123	8.7855	8.7446	8.7029	8.6602	8.6385
4	7.7086	6.9443	6.5914	6.3882	6.2561	6.1631	6.0942	6.0410	5.9988	5.9644	5.9117	5.8578	5.8025	5.7744
5	6.6079	5.7861	5.4095	5.1922	5.0503	4.9503	4.8759	4.8183	4.7725	4.7351	4.6777	4.6188	4.5581	4.5272
6	5.9874	5.1433	4.7571	4.5337	4.3874	4.2839	4.2067	4.1468	4.0990	4.0600	3.9999	3.9381	3.8742	3.8415
7	5.5914	4.7374	4.3468	4.1203	3.9715	3.8660	3.7870	3.7257	3.6767	3.6365	3.5747	3.5107	3.4445	3.4105
8	5.3177	4.4590	4.0662	3.8379	3.6875	3.5806	3.5005	3.4381	3.3881	3.3472	3.2839	3.2184	3.1503	3.1152
9	5.1174	4.2565	3.8625	3.6331	3.4817	3.3738	3.2927	3.2296	3.1789	3.1373	3.0729	3.0061	2.9365	2.9005
10	4.9646	4.1028	3.7083	3.4780	3.3258	3.2172	3.1355	3.0717	3.0204	2.9782	2.9130	2.8450	2.7740	2.7372
11	4.8443	3.9823	3.5874	3.3567	3.2039	3.0946	3.0123	2.9480	2.8962	2.8536	2.7876	2.7186	2.6464	2.6090
12	4.7472	3.8853	3.4903	3.2592	3.1059	2.9961	2.9134	2.8486	2.7964	2.7534	2.6866	2.6169	2.5436	2.5055
13	4.6672	3.8056	3.4105	3.1791	3.0254	2.9153	2.8321	2.7669	2.7144	2.6710	2.6037	2.5331	2.4589	2.4202
14	4.6001	3.7389	3.3439	3.1122	2.9582	2.8477	2.7642	2.6987	2.6458	2.6022	2.5342	2.4630	2.3879	2.3487
15	4.5431	3.6823	3.2874	3.0556	2.9013	2.7905	2.7066	2.6408	2.5876	2.5437	2.4753	2.4034	2.3275	2.2878
16	4.4940	3.6337	3.2389	3.0069	2.8524	2.7413	2.6572	2.5911	2.5377	2.4935	2.4247	2.3522	2.2756	2.2354
17	4.4513	3.5915	3.1968	2.9647	2.8100	2.6987	2.6143	2.5480	2.4943	2.4499	2.3807	2.3077	2.2304	2.1898
18	4.4139	3.5546	3.1599	2.9277	2.7729	2.6613	2.5767	2.5102	2.4563	2.4117	2.3421	2.2686	2.1906	2.1497
19	4.3807	3.5219	3.1274	2.8951	2.7401	2.6283	2.5435	2.4768	2.4227	2.3779	2.3080	2.2341	2.1555	2.1141
20	4.3512	3.4928	3.0984	2.8661	2.7109	2.5990	2.5140	2.4471	2.3928	2.3479	2.2776	2.2033	2.1242	2.0825
21	4.3248	3.4668	3.0725	2.8401	2.6848	2.5727	2.4876	2.4205	2.3660	2.3210	2.2504	2.1757	2.0960	2.0540
22	4.3009	3.4434	3.0491	2.8167	2.6613	2.5491	2.4638	2.3965	2.3419	2.2967	2.2258	2.1508	2.0707	2.0283
23	4.2793	3.4221	3.0280	2.7955	2.6400	2.5277	2.4422	2.3748	2.3201	2.2747	2.2036	2.1282	2.0476	2.0050
24	4.2597	3.4028	3.0088	2.7763	2.6207	2.5082	2.4226	2.3551	2.3002	2.2547	2.1834	2.1077	2.0267	1.9838
25	4.2417	3.3852	2.9912	2.7587	2.6030	2.4904	2.4047	2.3371	2.2821	2.2365	2.1649	2.0889	2.0075	1.9643

Tabela 3. Kritični F , dvostranski, $P=0,05$

v	1	2	3	4	5	6	7	8	9	10	12	15	20	24
1	647.79	799.50	864.16	899.58	921.85	937.11	948.22	956.66	963.28	968.63	976.71	984.87	993.10	997.25
2	38.506	39.000	39.166	39.248	39.298	39.332	39.355	39.373	39.387	39.398	39.415	39.431	39.448	39.456
3	17.443	16.044	15.439	15.101	14.885	14.735	14.624	14.540	14.473	14.419	14.337	14.253	14.167	14.124
4	12.218	10.649	9.9792	9.6045	9.3645	9.1973	9.0741	8.9796	8.9047	8.8439	8.7512	8.6565	8.5599	8.5109
5	10.007	8.4336	7.7636	7.3879	7.1464	6.9777	6.8531	6.7572	6.6811	6.6192	6.5245	6.4277	6.3286	6.2780
6	8.8131	7.2599	6.5988	6.2272	5.9876	5.8198	5.6955	5.5996	5.5234	5.4613	5.3662	5.2687	5.1684	5.1172
7	8.0727	6.5415	5.8898	5.5226	5.2852	5.1186	4.9949	4.8993	4.8232	4.7611	4.6658	4.5678	4.4667	4.4150
8	7.5709	6.0595	5.4160	5.0526	4.8173	4.6517	4.5286	4.4333	4.3572	4.2951	4.1997	4.1012	3.9995	3.9472
9	7.2093	5.7147	5.0781	4.7181	4.4844	4.3197	4.1970	4.1020	4.0260	3.9639	3.8682	3.7694	3.6669	3.6142
10	6.9367	5.4564	4.8256	4.4683	4.2361	4.0721	3.9498	3.8549	3.7790	3.7168	3.6209	3.5217	3.4185	3.3654
11	6.7241	5.2559	4.6300	4.2751	4.0440	3.8807	3.7586	3.6638	3.5879	3.5257	3.4296	3.3299	3.2261	3.1725
12	6.5538	5.0959	4.4742	4.1212	3.8911	3.7283	3.6065	3.5118	3.4358	3.3736	3.2773	3.1772	3.0728	3.0187
13	6.4143	4.9653	4.3472	3.9959	3.7667	3.6043	3.4827	3.3880	3.3120	3.2497	3.1532	3.0527	2.9477	2.8932
14	6.2979	4.8567	4.2417	3.8919	3.6634	3.5014	3.3799	3.2853	3.2093	3.1469	3.0502	2.9493	2.8437	2.7888
15	6.1995	4.7650	4.1528	3.8043	3.5764	3.4147	3.2934	3.1987	3.1227	3.0602	2.9633	2.8621	2.7559	2.7006
16	6.1151	4.6867	4.0768	3.7294	3.5021	3.3406	3.2194	3.1248	3.0488	2.9862	2.8890	2.7875	2.6808	2.6252
17	6.0420	4.6189	4.0112	3.6648	3.4379	3.2767	3.1556	3.0610	2.9849	2.9222	2.8249	2.7230	2.6158	2.5598
18	5.9781	4.5597	3.9539	3.6083	3.3820	3.2209	3.0999	3.0053	2.9291	2.8664	2.7689	2.6667	2.5590	2.5027
19	5.9216	4.5075	3.9034	3.5587	3.3327	3.1718	3.0509	2.9563	2.8801	2.8172	2.7196	2.6171	2.5089	2.4523
20	5.8715	4.4613	3.8587	3.5147	3.2891	3.1283	3.0074	2.9128	2.8365	2.7737	2.6758	2.5731	2.4645	2.4076
21	5.8266	4.4199	3.8188	3.4754	3.2501	3.0895	2.9686	2.8740	2.7977	2.7348	2.6368	2.5338	2.4247	2.3675
22	5.7863	4.3828	3.7829	3.4401	3.2151	3.0546	2.9338	2.8392	2.7628	2.6998	2.6017	2.4984	2.3890	2.3315
23	5.7498	4.3492	3.7505	3.4083	3.1835	3.0232	2.9023	2.8077	2.7313	2.6682	2.5699	2.4665	2.3567	2.2989
24	5.7166	4.3187	3.7211	3.3794	3.1548	2.9946	2.8738	2.7791	2.7027	2.6396	2.5411	2.4374	2.3273	2.2693
25	5.6864	4.2909	3.6943	3.3530	3.1287	2.9685	2.8478	2.7531	2.6766	2.6135	2.5149	2.4110	2.3005	2.2422

Tabela 2. Kritični t

One Sided	90%	95%	97.5%	99%	99.5%
Two Sided	80%	90%	95%	98%	99%
v					
1	3.078	6.314	12.71	31.82	63.66
2	1.886	2.920	4.303	6.965	9.925
3	1.638	2.353	3.182	4.541	5.841
4	1.533	2.132	2.776	3.747	4.604
5	1.476	2.015	2.571	3.365	4.032
6	1.440	1.943	2.447	3.143	3.707
7	1.415	1.895	2.365	2.998	3.499
8	1.397	1.860	2.306	2.896	3.355
9	1.383	1.833	2.262	2.821	3.250
10	1.372	1.812	2.228	2.764	3.169
11	1.363	1.796	2.201	2.718	3.106
12	1.356	1.782	2.179	2.681	3.055
13	1.350	1.771	2.160	2.650	3.012
14	1.345	1.761	2.145	2.624	2.977
15	1.341	1.753	2.131	2.602	2.947
16	1.337	1.746	2.120	2.583	2.921
17	1.333	1.740	2.110	2.567	2.898
18	1.330	1.734	2.101	2.552	2.878
19	1.328	1.729	2.093	2.539	2.861
20	1.325	1.725	2.086	2.528	2.845
21	1.323	1.721	2.080	2.518	2.831
22	1.321	1.717	2.074	2.508	2.819
23	1.319	1.714	2.069	2.500	2.807
24	1.318	1.711	2.064	2.492	2.797
25	1.316	1.708	2.060	2.485	2.787

Tabela 4. Kritični χ^2

df	$P = 0.05$	$P = 0.01$
1	3.84	6.64
2	5.99	9.21
3	7.82	11.35
4	9.49	13.28
5	11.07	15.09
6	12.59	16.81
7	14.07	18.48
8	15.51	20.09
9	16.92	21.67
10	18.31	23.21
11	19.68	24.73
12	21.03	26.22
13	22.36	27.69
14	23.69	29.14
15	25.00	30.58
16	26.30	32.00
17	27.59	33.41
18	28.87	34.81
19	30.14	36.19
20	31.41	37.57
21	32.67	38.93
22	33.92	40.29
23	35.17	41.64
24	36.42	42.98
25	37.65	44.31

Tabela 5. Dixonov test
(95 % raven)

n	Q (r_{10})
3	0.970
4	0.829
5	0.710
6	0.625
7	0.568
8	0.526
9	0.493
10	0.466
11	0.444
12	0.426
13	0.410
14	0.396
15	0.384
16	0.374
17	0.365
18	0.356
19	0.349
20	0.342

Tabela 7. Cochranov test (95 % raven)

k	$n = 2$	$n = 3$	$n = 4$	$n = 5$	$n = 6$
2	0.998	0.975	0.939	0.906	0.877
3	0.967	0.871	0.798	0.746	0.707
4	0.906	0.768	0.684	0.629	0.590
5	0.841	0.684	0.598	0.544	0.506
6	0.781	0.616	0.532	0.480	0.445
7	0.727	0.561	0.480	0.431	0.397
8	0.680	0.516	0.438	0.391	0.360
9	0.638	0.477	0.403	0.358	0.329
10	0.602	0.445	0.373	0.331	0.303
15	0.471	0.335	0.276	0.242	0.220
20	0.389	0.270	0.221	0.192	0.174

Tabela 6. Grubbov test

n	G
3	1.154
4	1.481
5	1.715
6	1.887
7	2.020
8	2.127
9	2.215
10	2.290
11	2.355
12	2.412
13	2.462
14	2.507
15	2.548
16	2.586
17	2.620
18	2.652
19	2.681
20	2.708