

ID	pohlavi	vyska	hmotnost	Vi-mV	Hi-mH	(mV-Vi)(mH-Hi)	H.stř	e
1	0	175	82	1.65	7.35	12.1275	75.87356	6.126444
2	0	172	89	-1.35	14.35	-19.3725	73.64891	15.35109
3	1	165	62	-8.35	-12.65	105.6275	68.45806	-6.45806
4	1	170	65	-3.35	-9.65	32.3275	72.16581	-7.16581
5	0	198	89	24.65	14.35	353.7275	92.92919	-3.92919
6	0	189	65	15.65	-9.65	-151.0225	86.25525	-21.2552
7	0	165	60	-8.35	-14.65	122.3275	68.45806	-8.45806
8	1	170	85	-3.35	10.35	-34.6725	72.16581	12.83419
9	1	178	74	4.65	-0.65	-3.0225	78.0982	-4.0982
10	0	152	68	-21.35	-6.65	141.9775	58.81792	9.182077
11	1	145	52	-28.35	-22.65	642.1275	53.62708	-1.62708
12	1	178	95	4.65	20.35	94.6275	78.0982	16.9018
13	1	170	77	-3.35	2.35	-7.8725	72.16581	4.83419
14	1	178	78	4.65	3.35	15.5775	78.0982	-0.0982
15	0	183	79	9.65	4.35	41.9775	81.80595	-2.80595
16	0	185	90	11.65	15.35	178.8275	83.28905	6.710951
17	1	165	58	-8.35	-16.65	139.0275	68.45806	-10.4581
18	1	180	75	6.65	0.35	2.3275	79.5813	-4.5813
19	0	199	100	25.65	25.35	650.2275	93.67074	6.329261
20	0	150	50	-23.35	-24.65	575.5775	57.33482	-7.33482

průměr            0.5    173.35    74.65

sd            0.512989    14.32802    14.33536

r            0.741169333 korelace    a  
vzorec       0.741169333                b  
 $r^2$             0.54933198                H.stř = -53,  
c            152.2342105 kovariance  
R            0.741169333 mnohonásobná korela

$$r_{XY} = \frac{1}{N-1} \text{Suma}(i \text{ 1 až N}) \text{-----}$$

$$s_x = \text{odmocnina}(s_x^2)$$

$$s_x^2 = \frac{1}{N-1} \text{Suma}(i \text{ 1 až N}) (X_i - m_x)^2$$

-53.8976

0.741549

9 + 0,742 \* V

ce, multiple correlation

$$\frac{(X_i - m_x)(Y_i - m_y)}{s_x s_y} = \frac{1}{N-1} \text{Suma}(\dots) z_{xi} z_{yi}$$

ID	pohlavi	vyska	hmotnost	Vi-mV	Hi-mH	(mV-Vi)(mH-Hi)	H.stř	e
1	0	175	82	1.65	7.35	12.1275	75.86426	6.13574
2	0	172	89	-1.35	14.35	-19.3725	73.63921	15.36079
3	1	165	62	-8.35	-12.65	105.6275	68.4657	-6.4657
4	1	170	65	-3.35	-9.65	32.3275	72.17412	-7.17412
5	0	198	89	24.65	14.35	353.7275	92.92298	-3.92298
6	0	189	65	15.65	-9.65	-151.0225	86.24783	-21.2478
7	0	165	60	-8.35	-14.65	122.3275	68.44743	-8.44743
8	1	170	85	-3.35	10.35	-34.6725	72.17412	12.82588
9	1	178	74	4.65	-0.65	-3.0225	78.10758	-4.10758
10	0	152	68	-21.35	-6.65	141.9775	58.80554	9.194457
11	1	145	52	-28.35	-22.65	642.1275	53.63203	-1.63203
12	1	178	95	4.65	20.35	94.6275	78.10758	16.89242
13	1	170	77	-3.35	2.35	-7.8725	72.17412	4.825883
14	1	178	78	4.65	3.35	15.5775	78.10758	-0.10758
15	0	183	79	9.65	4.35	41.9775	81.79773	-2.79773
16	0	185	90	11.65	15.35	178.8275	83.28109	6.718907
17	1	165	58	-8.35	-16.65	139.0275	68.4657	-10.4657
18	1	180	75	6.65	0.35	2.3275	79.59095	-4.59095
19	0	199	100	25.65	25.35	650.2275	93.66466	6.33534
20	0	150	50	-23.35	-24.65	575.5775	57.32218	-7.32218

průměr	0.5	173.35	74.65					
sd	0.512989	14.32802	14.33536	$r_{VH}$	0.741169333	korelace	a	
				vzorec	0.741169333		b1	
	muži	176.8	77.2	$r^2$	0.54933198		b2	
	ženy	169.9	72.1	c	152.2342105	kovariance	SS	
				$R_{HH.stř}$	0.741169589	mnohonásr	$R^2$	
				$r_{PH}$	-0.182502864			

$$r_{XY} = \frac{1}{N-1} \text{Suma}(i=1 \text{ až } N)$$

$$s_X = \text{odmocnina}(s_X^2)$$

$$s_X^2 = \frac{1}{N-1} \text{Suma}(i=1 \text{ až } N)$$

-53.93032523  
0.741683344  
0.018274258  
1759.654341  
0.54933236

$$N) \frac{(X_i - m_x)(Y_i - m_y)}{s_x s_y} = \frac{1}{N-1} \text{Suma}(\dots) z_{xi} z_{yi}$$

$$\sum N) (X_i - m_x)^2$$

ID	pohlavi	vyska	hmotnost	z.P	z.V	z.H	V.stř	H.stř	e.V
1	0	175	82	-0.975	0.1152	0.5127	0.240787	0.177882	0.1256
2	0	172	89	-0.975	-0.094	1.001	0.240787	0.177882	0.335
3	1	165	62	0.9747	-0.583	-0.882	-0.24079	-0.17788	0.342
4	1	170	65	0.9747	-0.234	-0.673	-0.24079	-0.17788	-0.007
5	0	198	89	-0.975	1.7204	1.001	0.240787	0.177882	-1.48
6	0	189	65	-0.975	1.0923	-0.673	0.240787	0.177882	-0.851
7	0	165	60	-0.975	-0.583	-1.022	0.240787	0.177882	0.8236
8	1	170	85	0.9747	-0.234	0.722	-0.24079	-0.17788	-0.007
9	1	178	74	0.9747	0.3245	-0.045	-0.24079	-0.17788	-0.565
10	0	152	68	-0.975	-1.49	-0.464	0.240787	0.177882	1.7309
11	1	145	52	0.9747	-1.979	-1.58	-0.24079	-0.17788	1.7379
12	1	178	95	0.9747	0.3245	1.4196	-0.24079	-0.17788	-0.565
13	1	170	77	0.9747	-0.234	0.1639	-0.24079	-0.17788	-0.007
14	1	178	78	0.9747	0.3245	0.2337	-0.24079	-0.17788	-0.565
15	0	183	79	-0.975	0.6735	0.3034	0.240787	0.177882	-0.433
16	0	185	90	-0.975	0.8131	1.0708	0.240787	0.177882	-0.572
17	1	165	58	0.9747	-0.583	-1.161	-0.24079	-0.17788	0.342
18	1	180	75	0.9747	0.4641	0.0244	-0.24079	-0.17788	-0.705
19	0	199	100	-0.975	1.7902	1.7684	0.240787	0.177882	-1.549
20	0	150	50	-0.975	-1.63	-1.72	0.240787	0.177882	1.8705

průměr	0.5	173.35	74.65						
sd	0.512989	14.32802	14.33536	$r_{VH}$	0.7412	$r_{VH.P}$	0.730619		
				$r_{VP}$	-0.247	$r_{VP.H}$	-0.16935		
				$r_{HP}$	-0.183	$r_{HP.V}$	0.000918		

e.H

- 0.33484
- 0.82314
- 0.70455
- 0.49528
- 0.82314
- 0.85104
- 1.19983
- 0.89987
- 0.13254
- 0.64177
- 1.40213
- 1.59745
- 0.34181
- 0.41157
- 0.12556
- 0.8929
- 0.98358
- 0.2023
- 1.59047
- 1.89741

$$r_{XY} = \frac{1}{N-1} \frac{\text{Suma}(i \text{ 1 až } N) (X_i - m_x)(Y_i - m_y)}{s_x s_y}$$

$$s_x = \text{odmocnina}(s_x^2)$$

$$s_x^2 = \frac{1}{N-1} \text{Suma}(i \text{ 1 až } N) (X_i - m_x)^2$$

kontrola

- 0.73062



$$r_y) \quad 1$$
$$\text{-----} = \text{-----} \text{Suma(...) } z_{xi} z_{yi}$$
$$N-1$$

ID	X	Y	Z	XY	sXY	XZ	sXZ	uYZ	
1	11	10	9	42	110	40	99	13	
2	16	12	8	56	192	48	128	14	
3	13	13	13	52	169	52	169	18	
4	22	17	12	78	374	68	264	21	
5	13	16	8	58	208	42	104	18	
6	11	12	6	46	132	34	66	13	
7	11	17	7	56	187	36	77	18	
8	15	11	11	52	165	52	165	16	
9	18	18	10	72	324	56	180	21	
10	17	13	13	60	221	60	221	18	
11	21	12	13	66	252	68	273	18	
12	14	9	8	46	126	44	112	12	
13	19	17	10	72	323	58	190	20	
14	12	17	6	58	204	36	72	18	
15	10	10	7	40	100	34	70	12	
16	21	14	10	70	294	62	210	17	
17	11	8	12	38	88	46	132	14	
18	21	12	11	66	252	64	231	16	
19	16	15	11	62	240	54	176	19	
20	20	13	12	66	260	64	240	18	
21	21	15	7	72	315	56	147	17	
22	22	9	11	62	198	66	242	14	
23	19	9	10	56	171	58	190	13	
24	21	16	6	74	336	54	126	17	
25	22	14	9	72	308	62	198	17	
26	21	10	8	62	210	58	168	13	
27	18	15	14	66	270	64	252	21	
28	10	10	6	40	100	32	60	12	
29	14	11	10	50	154	48	140	15	
30	10	15	7	50	150	34	70	17	
31	14	10	9	48	140	46	126	13	
32	17	12	7	58	204	48	119	14	
33	18	17	12	70	306	60	216	21	
34	18	12	13	60	216	62	234	18	
35	12	13	10	50	156	44	120	16	
36	13	9	11	44	117	48	143	14	
37	11	16	6	54	176	34	66	17	
38	22	14	12	72	308	68	264	18	
39	18	13	12	62	234	60	216	18	
40	11	10	8	42	110	38	88	13	
41	17	16	12	66	272	58	204	20	
42	21	18	13	78	378	68	273	22	
43	20	16	13	72	320	66	260	21	
44	15	16	6	62	240	42	90	17	
45	15	17	10	64	255	50	150	20	
46	12	12	13	48	144	50	156	18	
47	16	11	14	54	176	60	224	18	
48	13	10	11	46	130	48	143	15	

49	12	13	10	50	156	44	120	16
50	21	13	9	68	273	60	189	16
51	18	9	12	54	162	60	216	15
52	17	9	7	52	153	48	119	11
53	20	15	6	70	300	52	120	16
54	17	15	6	64	255	46	102	16
55	20	10	7	60	200	54	140	12
56	14	14	11	56	196	50	154	18
57	14	11	11	50	154	50	154	16
58	19	18	10	74	342	58	190	21
59	13	11	9	48	143	44	117	14
60	16	10	11	52	160	54	176	15
61	13	9	9	44	117	44	117	13
62	13	10	11	46	130	48	143	15
63	21	10	11	62	210	64	231	15
64	16	17	7	66	272	46	112	18
65	20	12	6	64	240	52	120	13
66	14	17	13	62	238	54	182	21
67	15	16	10	62	240	50	150	19
68	13	8	11	42	104	48	143	14
69	21	10	12	62	210	66	252	16
70	11	10	11	42	110	44	121	15
71	18	16	12	68	288	60	216	20
72	20	10	11	60	200	62	220	15
73	11	10	9	42	110	40	99	13
74	15	11	11	52	165	52	165	16
75	16	10	8	52	160	48	128	13
76	15	18	6	66	270	42	90	19
77	21	11	9	64	231	60	189	14
78	19	9	7	56	171	52	133	11
79	13	17	10	60	221	46	130	20
80	21	13	6	68	273	54	126	14
81	11	17	8	56	187	38	88	19
82	17	11	13	56	187	60	221	17
83	10	13	13	46	130	46	130	18
84	18	14	10	64	252	56	180	17
85	14	12	8	52	168	44	112	14
86	14	12	9	52	168	46	126	15
87	21	17	7	76	357	56	147	18
88	21	15	7	72	315	56	147	17
89	10	8	14	36	80	48	140	16
90	17	16	8	66	272	50	136	18
91	16	8	13	48	128	58	208	15
92	18	14	7	64	252	50	126	16
93	20	9	14	58	180	68	280	17
94	12	9	12	42	108	48	144	15
95	17	17	7	68	289	48	119	18
96	20	9	9	58	180	58	180	13
97	19	16	12	70	304	62	228	20
98	10	13	13	46	130	46	130	18

99	12	11	10	46	132	44	120	15
100	12	11	12	46	132	48	144	16

sYZ	vXYZ	ID	X	Y	Z	XY	sXY	
	90		1	12	15	14	54	180
	96		2	12	13	14	50	156
	169		3	16	17	7	66	272
	204		4	17	8	9	50	136
	128		5	21	17	11	76	357
	72		6	19	9	11	56	171
	119		7	17	14	13	62	238
	121		8	18	18	6	72	324
	180		9	22	9	14	62	198
	169		10	12	12	13	48	144
	156		11	17	13	8	60	221
	72		12	15	14	12	58	210
	170		13	20	10	8	60	200
	102		14	14	9	6	46	126
	70		15	17	16	13	66	272
	140		16	13	13	8	52	169
	96		17	16	14	8	60	224
	132		18	17	10	13	54	170
	165		19	15	9	10	48	135
	156		20	15	17	12	64	255
	105		21	21	13	7	68	273
	99		22	15	11	13	52	165
	90		23	17	11	13	56	187
	96		24	15	10	7	50	150
	126		25	11	15	8	52	165
	80		26	18	17	7	70	306
	210		27	16	15	11	62	240
	60		28	14	15	11	58	210
	110		29	13	17	7	60	221
	105		30	20	17	13	74	340
	90		31	13	15	9	56	195
	84		32	12	13	6	50	156
	204		33	18	12	8	60	216
	156		34	19	16	13	70	304
	130		35	18	14	8	64	252
	99		36	18	10	11	56	180
	96		37	11	11	10	44	121
	168		38	20	12	9	64	240
	156		39	13	8	10	42	104
	80		40	19	9	11	56	171
	192		41	12	12	10	48	144
	234		42	18	10	9	56	180
	208		43	17	16	7	66	272
	96		44	18	11	9	58	198
	170		45	14	18	11	64	252
	156		46	20	13	11	66	260
	154		47	11	11	14	44	121
	110		48	11	8	11	38	88

130	1560	49	20	14	7	68	280
117	2457	50	14	18	7	64	252
108	1944	51	21	17	13	76	357
63	1071	52	14	15	11	58	210
90	1800	53	14	10	10	48	140
90	1530	54	14	17	14	62	238
70	1400	55	11	14	8	50	154
154	2156	56	13	15	11	56	195
121	1694	57	20	11	10	62	220
180	3420	58	12	16	13	56	192
99	1287	59	18	11	10	58	198
110	1760	60	19	15	13	68	285
81	1053	61	14	18	11	64	252
110	1430	62	13	12	9	50	156
110	2310	63	13	11	8	48	143
119	1904	64	14	10	10	48	140
72	1440	65	19	9	11	56	171
221	3094	66	10	9	11	38	90
160	2400	67	22	17	9	78	374
88	1144	68	20	16	7	72	320
120	2520	69	13	10	10	46	130
110	1210	70	10	11	10	42	110
192	3456	71	21	15	12	72	315
110	2200	72	11	16	7	54	176
90	990	73	12	11	13	46	132
121	1815	74	19	9	7	56	171
80	1280	75	12	10	7	44	120
108	1620	76	20	11	8	62	220
99	2079	77	20	16	13	72	320
63	1197	78	17	11	13	56	187
170	2210	79	22	11	11	66	242
78	1638	80	18	11	12	58	198
136	1496	81	14	15	9	58	210
143	2431	82	12	16	6	56	192
169	1690	83	14	14	8	56	196
140	2520	84	18	16	12	68	288
96	1344	85	11	11	12	44	121
108	1512	86	12	15	11	54	180
119	2499	87	17	13	12	60	221
105	2205	88	18	9	6	54	162
112	1120	89	18	16	9	68	288
128	2176	90	10	15	11	50	150
104	1664	91	10	12	9	44	120
98	1764	92	18	16	7	68	288
126	2520	93	13	13	11	52	169
108	1296	94	11	13	7	48	143
119	2023	95	21	9	12	60	189
81	1620	96	22	10	11	64	220
192	3648	97	11	18	7	58	198
169	1690	98	14	9	12	46	126

110	1320	99	19	18	11	74	342
132	1584	100	12	14	12	52	168

XZ	sXZ	uYZ	sYZ	vXYZ	R	X	Y	Z	
52	168	168	21	210	2520	X	1	-0.002	0.0565
52	168	168	19	182	2184	Y	-0.002	1	-0.054
46	112	112	18	119	1904	Z	0.0565	-0.054	1
52	153	153	12	72	1224	XY	0.7645	0.6429	0.0087
64	231	231	20	187	3927	sXY	0.6801	0.7158	0.0114
60	209	209	14	99	1881	XZ	0.8422	-0.031	0.5859
60	221	221	19	182	3094	sXZ	0.7127	-0.029	0.7246
48	108	108	19	108	1944	uYZ	0.0207	0.8311	0.4976
72	308	308	17	126	2772	sYZ	0.0492	0.6493	0.7074
50	156	156	18	156	1872	vXYZ	0.5728	0.5316	0.5865
50	136	136	15	104	1768				
54	180	180	18	168	2520	<b>F</b>	<b>F1</b>	<b>F2</b>	<b>F3</b>
56	160	160	13	80	1600	X	0.9981	0.0063	0.0344
40	84	84	11	54	756	Y	-0.008	0.9976	-0.038
60	221	221	21	208	3536	Z	0.0213	-0.016	0.9972
42	104	104	15	104	1352	XY	0.7595	0.6479	0.0019
48	128	128	16	112	1792	sXY	0.6794	0.7268	0.006
60	221	221	16	130	2210	XZ	0.8217	-0.004	0.5665
50	150	150	13	90	1350	sXZ	0.6915	0.0002	0.7151
54	180	180	21	204	3060	uYZ	-0.005	0.8502	0.5087
56	147	147	15	91	1911	sYZ	0.0188	0.6808	0.7232
56	195	195	17	143	2145	vXYZ	0.5554	0.564	0.5924
60	221	221	17	143	2431				
44	105	105	12	70	1050	<b>R.stř.</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
38	88	88	17	120	1320	X	0.9974	-0.003	0.0554
50	126	126	18	119	2142	Y	-0.003	0.9967	-0.054
54	176	176	19	165	2640	Z	0.0554	-0.054	0.9951
50	154	154	19	165	2310	XY	0.7622	0.6405	0.0077
40	91	91	18	119	1547	sXY	0.6829	0.7197	0.0088
66	260	260	21	221	4420	XZ	0.8395	-0.031	0.5824
44	117	117	17	135	1755	sXZ	0.7147	-0.032	0.7278
36	72	72	14	78	936	uYZ	0.0176	0.8289	0.4936
52	144	144	14	96	1728	sYZ	0.0479	0.6516	0.7107
64	247	247	21	208	3952	vXYZ	0.5783	0.5359	0.5935
52	144	144	16	112	2016				
58	198	198	15	110	1980	<b>R-Rstř</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
42	110	110	15	110	1210	X	0.0026	0.0004	0.0011
58	180	180	15	108	2160	Y	0.0004	0.0033	0.0002
46	130	130	13	80	1040	Z	0.0011	0.0002	0.0049
60	209	209	14	99	1881	XY	0.0023	0.0024	0.001
44	120	120	16	120	1440	sXY	-0.003	-0.004	0.0026
54	162	162	13	90	1620	XZ	0.0027	0.0004	0.0034
48	119	119	17	112	1904	sXZ	-0.002	0.0034	-0.003
54	162	162	14	99	1782	uYZ	0.0031	0.0022	0.004
50	154	154	21	198	2772	sYZ	0.0013	-0.002	-0.003
62	220	220	17	143	2860	vXYZ	-0.005	-0.004	-0.007
50	154	154	18	154	1694				
44	121	121	14	88	968				



54	140	16	98	1960
42	98	19	126	1764
68	273	21	221	4641
50	154	19	165	2310
48	140	14	100	1400
56	196	22	238	3332
38	88	16	112	1232
48	143	19	165	2145
60	200	15	110	2200
50	156	21	208	2496
56	180	15	110	1980
64	247	20	195	3705
50	154	21	198	2772
44	117	15	108	1404
42	104	14	88	1144
48	140	14	100	1400
60	209	14	99	1881
42	110	14	99	990
62	198	19	153	3366
54	140	17	112	2240
46	130	14	100	1300
40	100	15	110	1100
66	252	19	180	3780
36	77	17	112	1232
50	156	17	143	1716
52	133	11	63	1197
38	84	12	70	840
56	160	14	88	1760
66	260	21	208	4160
60	221	17	143	2431
66	242	16	121	2662
60	216	16	132	2376
46	126	17	135	1890
36	72	17	96	1152
44	112	16	112	1568
60	216	20	192	3456
46	132	16	132	1452
46	132	19	165	1980
58	204	18	156	2652
48	108	11	54	972
54	162	18	144	2592
42	110	19	165	1650
38	90	15	108	1080
50	126	17	112	2016
48	143	17	143	1859
36	77	15	91	1001
66	252	15	108	2268
66	242	15	110	2420
36	77	19	126	1386
52	168	15	108	1512

60	209	21	198	3762
48	144	18	168	2016

XY	sXY	XZ	sXZ	uYZ	sYZ	vXYZ
0.7645	0.6801	0.8422	0.7127	0.0207	0.0492	0.5728
0.6429	0.7158	-0.031	-0.029	0.8311	0.6493	0.5316
0.0087	0.0114	0.5859	0.7246	0.4976	0.7074	0.5865
1	0.9823	0.6252	0.5274	0.5516	0.4562	0.7815
0.9823	1	0.5582	0.4697	0.6135	0.5113	0.7968
0.6252	0.5582	1	0.9697	0.2855	0.4219	0.7817
0.5274	0.4697	0.9697	1	0.3636	0.5244	0.8091
0.5516	0.6135	0.2855	0.3636	1	0.9345	0.7618
0.4562	0.5113	0.4219	0.5244	0.9345	1	0.8306
0.7815	0.7968	0.7817	0.8091	0.7618	0.8306	1

F <sup>T</sup>	X	Y	Z	XY	sXY	XZ	sXZ	uYZ	sYZ	vXYZ
F1	0.9981	-0.008	0.0213	0.7595	0.6794	0.8217	0.6915	-0.005	0.0188	0.5554
F2	0.0063	0.9976	-0.016	0.6479	0.7268	-0.004	0.0002	0.8502	0.6808	0.564
F3	0.0344	-0.038	0.9972	0.0019	0.006	0.5665	0.7151	0.5087	0.7232	0.5924

SS      0.0033

XY	sXY	XZ	sXZ	uYZ	sYZ	vXYZ
0.7622	0.6829	0.8395	0.7147	0.0176	0.0479	0.5783
0.6405	0.7197	-0.031	-0.032	0.8289	0.6516	0.5359
0.0077	0.0088	0.5824	0.7278	0.4936	0.7107	0.5935
0.9967	0.987	0.6229	0.5267	0.5478	0.4567	0.7884
0.987	0.9899	0.5591	0.4742	0.6174	0.5119	0.7908
0.6229	0.5591	0.9961	0.9733	0.2809	0.4227	0.79
0.5267	0.4742	0.9733	0.9895	0.3604	0.5303	0.8078
0.5478	0.6174	0.2809	0.3604	0.9816	0.9466	0.7779
0.4567	0.5119	0.4227	0.5303	0.9466	0.9869	0.8228
0.7884	0.7908	0.79	0.8078	0.7779	0.8228	0.9775

XY	sXY	XZ	sXZ	uYZ	sYZ	vXYZ
0.0023	-0.003	0.0027	-0.002	0.0031	0.0013	-0.005
0.0024	-0.004	0.0004	0.0034	0.0022	-0.002	-0.004
0.001	0.0026	0.0034	-0.003	0.004	-0.003	-0.007
0.0033	-0.005	0.0023	0.0006	0.0038	-5E-04	-0.007
-0.005	0.0101	-9E-04	-0.005	-0.004	-6E-04	0.006
0.0023	-9E-04	0.0039	-0.004	0.0046	-8E-04	-0.008
0.0006	-0.005	-0.004	0.0105	0.0032	-0.006	0.0013
0.0038	-0.004	0.0046	0.0032	0.0184	-0.012	-0.016
-5E-04	-6E-04	-8E-04	-0.006	-0.012	0.0131	0.0078
-0.007	0.006	-0.008	0.0013	-0.016	0.0078	0.0225

ID	X	Y	Z	XY	sXY	XZ	sXZ	uYZ	
1	19	9	7	56	171	52	133	11	
2	21	11	8	64	231	58	168	14	
3	22	17	12	78	374	68	264	21	
4	18	10	12	56	180	60	216	16	
5	21	16	11	74	336	64	231	19	
6	15	17	9	64	255	48	135	19	
7	14	17	8	62	238	44	112	19	
8	18	14	12	64	252	60	216	18	
9	11	13	12	48	143	46	132	18	
10	22	11	8	66	242	60	176	14	
11	16	15	13	62	240	58	208	20	
12	17	14	9	62	238	52	153	17	
13	19	14	8	66	266	54	152	16	
14	22	14	7	72	308	58	154	16	
15	13	14	8	54	182	42	104	16	
16	11	12	8	46	132	38	88	14	
17	20	13	10	66	260	60	200	16	
18	15	10	13	50	150	56	195	16	
19	17	11	12	56	187	58	204	16	
20	21	8	11	58	168	64	231	14	
21	18	13	8	62	234	52	144	15	
22	14	14	10	56	196	48	140	17	
23	10	10	12	40	100	44	120	16	
24	20	15	10	70	300	60	200	18	
25	20	17	10	74	340	60	200	20	
26	21	14	13	70	294	68	273	19	
27	20	13	11	66	260	62	220	17	
28	21	17	12	76	357	66	252	21	
29	20	16	8	72	320	56	160	18	
30	11	12	14	46	132	50	154	18	
31	14	14	6	56	196	40	84	15	
32	21	17	13	76	357	68	273	21	
33	18	12	9	60	216	54	162	15	
34	21	10	11	62	210	64	231	15	
35	12	8	14	40	96	52	168	16	
36	13	9	10	44	117	46	130	13	
37	14	10	6	48	140	40	84	12	
38	11	13	6	48	143	34	66	14	
39	12	12	6	48	144	36	72	13	
40	13	10	8	46	130	42	104	13	
41	15	10	14	50	150	58	210	17	
42	12	15	7	54	180	38	84	17	
43	15	11	6	52	165	42	90	13	
44	20	17	9	74	340	58	180	19	
45	18	16	14	68	288	64	252	21	
46	20	10	8	60	200	56	160	13	
47	21	13	10	68	273	62	210	16	
48	16	13	7	58	208	46	112	15	
49	19	17	11	72	323	60	209	20	

50	17	10	7	54	170	48	119	12
51	11	11	9	44	121	40	99	14
52	19	12	8	62	228	54	152	14
53	20	15	10	70	300	60	200	18
54	22	13	7	70	286	58	154	15
55	14	9	8	46	126	44	112	12
56	18	13	6	62	234	48	108	14
57	21	8	14	58	168	70	294	16
58	20	15	9	70	300	58	180	17
59	17	11	11	56	187	56	187	16
60	17	15	9	64	255	52	153	17
61	14	17	7	62	238	42	98	18
62	19	17	11	72	323	60	209	20
63	18	12	10	60	216	56	180	16
64	19	12	12	62	228	62	228	17
65	14	13	7	54	182	42	98	15
66	10	8	11	36	80	42	110	14
67	11	10	12	42	110	46	132	16
68	14	13	12	54	182	52	168	18
69	17	11	10	56	187	54	170	15
70	19	13	10	64	247	58	190	16
71	13	11	11	48	143	48	143	16
72	15	10	13	50	150	56	195	16
73	11	13	12	48	143	46	132	18
74	14	15	13	58	210	54	182	20
75	18	12	6	60	216	48	108	13
76	21	14	13	70	294	68	273	19
77	16	16	12	64	256	56	192	20
78	13	13	8	52	169	42	104	15
79	11	10	10	42	110	42	110	14
80	22	12	14	68	264	72	308	18
81	14	18	11	64	252	50	154	21
82	10	16	8	52	160	36	80	18
83	18	12	10	60	216	56	180	16
84	14	12	7	52	168	42	98	14
85	17	15	14	64	255	62	238	21
86	13	16	10	58	208	46	130	19
87	21	13	11	68	273	64	231	17
88	14	16	13	60	224	54	182	21
89	14	11	9	50	154	46	126	14
90	16	12	13	56	192	58	208	18
91	16	14	12	60	224	56	192	18
92	11	11	10	44	121	42	110	15
93	14	18	11	64	252	50	154	21
94	16	15	12	62	240	56	192	19
95	15	15	8	60	225	46	120	17
96	18	15	6	66	270	48	108	16
97	11	12	12	46	132	46	132	17
98	16	8	12	48	128	56	192	14
99	16	15	7	62	240	46	112	17

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182

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sYZ	vXYZ	ID	X	Y	Z	XY	sXY	
	63		1	12	15	14	54	180
	88		2	12	13	14	50	156
	204		3	16	17	7	66	272
	120		4	17	8	9	50	136
	176		5	21	17	11	76	357
	153		6	19	9	11	56	171
	136		7	17	14	13	62	238
	168		8	18	18	6	72	324
	156		9	22	9	14	62	198
	88		10	12	12	13	48	144
	195		11	17	13	8	60	221
	126		12	15	14	12	58	210
	112		13	20	10	8	60	200
	98		14	14	9	6	46	126
	112		15	17	16	13	66	272
	96		16	13	13	8	52	169
	130		17	16	14	8	60	224
	130		18	17	10	13	54	170
	132		19	15	9	10	48	135
	88		20	15	17	12	64	255
	104		21	21	13	7	68	273
	140		22	15	11	13	52	165
	120		23	17	11	13	56	187
	150		24	15	10	7	50	150
	170		25	11	15	8	52	165
	182		26	18	17	7	70	306
	143		27	16	15	11	62	240
	204		28	14	15	11	58	210
	128		29	13	17	7	60	221
	168		30	20	17	13	74	340
	84		31	13	15	9	56	195
	221		32	12	13	6	50	156
	108		33	18	12	8	60	216
	110		34	19	16	13	70	304
	112		35	18	14	8	64	252
	90		36	18	10	11	56	180
	60		37	11	11	10	44	121
	78		38	20	12	9	64	240
	72		39	13	8	10	42	104
	80		40	19	9	11	56	171
	140		41	12	12	10	48	144
	105		42	18	10	9	56	180
	66		43	17	16	7	66	272
	153		44	18	11	9	58	198
	224		45	14	18	11	64	252
	80		46	20	13	11	66	260
	130		47	11	11	14	44	121
	91		48	11	8	11	38	88
	187		49	20	14	7	68	280

70	1190	50	14	18	7	64	252
99	1089	51	21	17	13	76	357
96	1824	52	14	15	11	58	210
150	3000	53	14	10	10	48	140
91	2002	54	14	17	14	62	238
72	1008	55	11	14	8	50	154
78	1404	56	13	15	11	56	195
112	2352	57	20	11	10	62	220
135	2700	58	12	16	13	56	192
121	2057	59	18	11	10	58	198
135	2295	60	19	15	13	68	285
119	1666	61	14	18	11	64	252
187	3553	62	13	12	9	50	156
120	2160	63	13	11	8	48	143
144	2736	64	14	10	10	48	140
91	1274	65	19	9	11	56	171
88	880	66	10	9	11	38	90
120	1320	67	22	17	9	78	374
156	2184	68	20	16	7	72	320
110	1870	69	13	10	10	46	130
130	2470	70	10	11	10	42	110
121	1573	71	21	15	12	72	315
130	1950	72	11	16	7	54	176
156	1716	73	12	11	13	46	132
195	2730	74	19	9	7	56	171
72	1296	75	12	10	7	44	120
182	3822	76	20	11	8	62	220
192	3072	77	20	16	13	72	320
104	1352	78	17	11	13	56	187
100	1100	79	22	11	11	66	242
168	3696	80	18	11	12	58	198
198	2772	81	14	15	9	58	210
128	1280	82	12	16	6	56	192
120	2160	83	14	14	8	56	196
84	1176	84	18	16	12	68	288
210	3570	85	11	11	12	44	121
160	2080	86	12	15	11	54	180
143	3003	87	17	13	12	60	221
208	2912	88	18	9	6	54	162
99	1386	89	18	16	9	68	288
156	2496	90	10	15	11	50	150
168	2688	91	10	12	9	44	120
110	1210	92	18	16	7	68	288
198	2772	93	13	13	11	52	169
180	2880	94	11	13	7	48	143
120	1800	95	21	9	12	60	189
90	1620	96	22	10	11	64	220
144	1584	97	11	18	7	58	198
96	1536	98	14	9	12	46	126
105	1680	99	19	18	11	74	342



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168

XZ	sXZ	uYZ	sYZ	vXYZ	R	X	Y	Z	XY	
52	168	168	21	210	2520	X	1	-0.002	0.0565	0.7645
52	168	168	19	182	2184	Y	-0.002	1	-0.054	0.6429
46	112	112	18	119	1904	Z	0.0565	-0.054	1	0.0087
52	153	153	12	72	1224	XY	0.7645	0.6429	0.0087	1
64	231	231	20	187	3927	sXY	0.6801	0.7158	0.0114	0.9823
60	209	209	14	99	1881	XZ	0.8422	-0.031	0.5859	0.6252
60	221	221	19	182	3094	sXZ	0.7127	-0.029	0.7246	0.5274
48	108	108	19	108	1944	uYZ	0.0207	0.8311	0.4976	0.5516
72	308	308	17	126	2772	sYZ	0.0492	0.6493	0.7074	0.4562
50	156	156	18	156	1872	vXYZ	0.5728	0.5316	0.5865	0.7815
50	136	136	15	104	1768					
54	180	180	18	168	2520	<b>F</b>	<b>F1</b>	<b>F2</b>	<b>F3</b>	
56	160	160	13	80	1600	X	0.997	0.0189	0.0576	
40	84	84	11	54	756	Y	-0.024	0.998	0.0143	
60	221	221	21	208	3536	Z	-0.008	-0.072	0.9958	
42	104	104	15	104	1352	XY	0.7467	0.658	0.0553	
48	128	128	16	112	1792	sXY	0.6654	0.7356	0.0608	
60	221	221	16	130	2210	XZ	0.8042	-0.022	0.5848	
50	150	150	13	90	1350	sXZ	0.6701	-0.028	0.7301	
54	180	180	21	204	3060	uYZ	-0.036	0.8201	0.5528	
56	147	147	15	91	1911	sYZ	-0.014	0.6393	0.7584	
56	195	195	17	143	2145	vXYZ	0.5277	0.5377	0.6343	
60	221	221	17	143	2431					
44	105	105	12	70	1050	<b>R.stř.</b>	<b>X</b>	<b>Y</b>	<b>Z</b>	<b>XY</b>
38	88	88	17	120	1320	X	0.9984	-0.003	0.0541	0.7618
50	126	126	18	119	2142	Y	-0.003	0.9969	-0.055	0.6407
54	176	176	19	165	2640	Z	0.0541	-0.055	0.9964	0.0079
50	154	154	19	165	2310	XY	0.7618	0.6407	0.0079	0.9958
40	91	91	18	119	1547	sXY	0.6826	0.7201	0.0081	0.9865
66	260	260	21	221	4420	XZ	0.8391	-0.03	0.5822	0.6235
44	117	117	17	135	1755	sXZ	0.7145	-0.031	0.7275	0.5279
36	72	72	14	78	936	uYZ	0.0158	0.8288	0.4933	0.5477
52	144	144	14	96	1728	sYZ	0.0472	0.6514	0.7106	0.4577
64	247	247	21	208	3952	vXYZ	0.5779	0.5355	0.5931	0.7886
52	144	144	16	112	2016					
58	198	198	15	110	1980	<b>R-Rstř</b>	<b>X</b>	<b>Y</b>	<b>Z</b>	<b>XY</b>
42	110	110	15	110	1210	X	0.0016	0.0006	0.0024	0.0027
58	180	180	15	108	2160	Y	0.0006	0.0031	0.0015	0.0022
46	130	130	13	80	1040	Z	0.0024	0.0015	0.0036	0.0008
60	209	209	14	99	1881	XY	0.0027	0.0022	0.0008	0.0042
44	120	120	16	120	1440	sXY	-0.003	-0.004	0.0033	-0.004
54	162	162	13	90	1620	XZ	0.0031	-7E-04	0.0037	0.0018
48	119	119	17	112	1904	sXZ	-0.002	0.0023	-0.003	-5E-04
54	162	162	14	99	1782	uYZ	0.0049	0.0023	0.0042	0.0039
50	154	154	21	198	2772	sYZ	0.0019	-0.002	-0.003	-0.001
62	220	220	17	143	2860	vXYZ	-0.005	-0.004	-0.007	-0.007
50	154	154	18	154	1694					
44	121	121	14	88	968					
54	140	140	16	98	1960					

42	98	19	126	1764
68	273	21	221	4641
50	154	19	165	2310
48	140	14	100	1400
56	196	22	238	3332
38	88	16	112	1232
48	143	19	165	2145
60	200	15	110	2200
50	156	21	208	2496
56	180	15	110	1980
64	247	20	195	3705
50	154	21	198	2772
44	117	15	108	1404
42	104	14	88	1144
48	140	14	100	1400
60	209	14	99	1881
42	110	14	99	990
62	198	19	153	3366
54	140	17	112	2240
46	130	14	100	1300
40	100	15	110	1100
66	252	19	180	3780
36	77	17	112	1232
50	156	17	143	1716
52	133	11	63	1197
38	84	12	70	840
56	160	14	88	1760
66	260	21	208	4160
60	221	17	143	2431
66	242	16	121	2662
60	216	16	132	2376
46	126	17	135	1890
36	72	17	96	1152
44	112	16	112	1568
60	216	20	192	3456
46	132	16	132	1452
46	132	19	165	1980
58	204	18	156	2652
48	108	11	54	972
54	162	18	144	2592
42	110	19	165	1650
38	90	15	108	1080
50	126	17	112	2016
48	143	17	143	1859
36	77	15	91	1001
66	252	15	108	2268
66	242	15	110	2420
36	77	19	126	1386
52	168	15	108	1512
60	209	21	198	3762

48

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2016

sXY	XZ	sXZ	uYZ	sYZ	vXYZ
0.6801	0.8422	0.7127	0.0207	0.0492	0.5728
0.7158	-0.031	-0.029	0.8311	0.6493	0.5316
0.0114	0.5859	0.7246	0.4976	0.7074	0.5865
0.9823	0.6252	0.5274	0.5516	0.4562	0.7815
1	0.5582	0.4697	0.6135	0.5113	0.7968
0.5582	1	0.9697	0.2855	0.4219	0.7817
0.4697	0.9697	1	0.3636	0.5244	0.8091
0.6135	0.2855	0.3636	1	0.9345	0.7618
0.5113	0.4219	0.5244	0.9345	1	0.8306
0.7968	0.7817	0.8091	0.7618	0.8306	1

meziv	F1	F2	F3	F <sup>T</sup>	X	Y	Z	XY	sXY	XZ
X	0.9974	0.0205	0.064	F1	0.997	-0.024	-0.008	0.7467	0.6654	0.804233
Y	-0.023	0.9981	0.0171	F2	0.0189	0.998	-0.072	0.658	0.7356	-0.0219
Z	-0.002	-0.07	0.9955	F3	0.0576	0.0143	0.9958	0.0553	0.0608	0.584823
XY	0.7481	0.6593	0.062							
sXY	0.6669	0.7368	0.0672	K	F1	F2	F3			
XZ	0.8079	-0.019	0.5899	F1	1	0.0015	0.0064			
sXZ	0.6747	-0.025	0.7343	F2	0.0015	1	0.003			
uYZ	-0.032	0.8217	0.555	F3	0.0064	0.003	1			
sYZ	-0.009	0.6416	0.7602							
vXYZ	0.5326	0.5404	0.6393	SS	0.0034					

sXY	XZ	sXZ	uYZ	sYZ	vXYZ
0.6826	0.8391	0.7145	0.0158	0.0472	0.5779
0.7201	-0.03	-0.031	0.8288	0.6514	0.5355
0.0081	0.5822	0.7275	0.4933	0.7106	0.5931
0.9865	0.6235	0.5279	0.5477	0.4577	0.7886
0.9898	0.5595	0.4751	0.6171	0.5124	0.7907
0.5595	0.9952	0.9726	0.2811	0.4236	0.7904
0.4751	0.9726	0.989	0.3607	0.5311	0.8083
0.6171	0.2811	0.3607	0.9818	0.9467	0.7771
0.5124	0.4236	0.5311	0.9467	0.9869	0.8226
0.7907	0.7904	0.8083	0.7771	0.8226	0.9771

sXY	XZ	sXZ	uYZ	sYZ	vXYZ
-0.003	0.0031	-0.002	0.0049	0.0019	-0.005
-0.004	-7E-04	0.0023	0.0023	-0.002	-0.004
0.0033	0.0037	-0.003	0.0042	-0.003	-0.007
-0.004	0.0018	-5E-04	0.0039	-0.001	-0.007
0.0102	-0.001	-0.005	-0.004	-0.001	0.0061
-0.001	0.0048	-0.003	0.0044	-0.002	-0.009
-0.005	-0.003	0.011	0.0029	-0.007	0.0007
-0.004	0.0044	0.0029	0.0182	-0.012	-0.015
-0.001	-0.002	-0.007	-0.012	0.0131	0.0079
0.0061	-0.009	0.0007	-0.015	0.0079	0.0229





sXZ	uYZ	sYZ	vXYZ
0.670106	-0.03647	-0.01446	0.527708
-0.02835	0.820109	0.639328	0.537708
0.730115	0.55277	0.758416	0.634338