

Na bazi premera dela sastojine crnog bora u Lipovici, površine $p=0.1$ ha i poznate starosti od 55 godina:

N	d[cm]	h [m]	ld [m]	r1 [m]	r2 [m]	r3 [m]	r4 [m]	B.P.	N	d[cm]	h [m]	ld [m]	r1 [m]	r2 [m]	r3 [m]	r4 [m]	B.P.
1	26.1							1	45	20.8							3
2	26.5							1	46	26.2			1.5	1.8	2.4	2.1	1
3	22.6			1.6	2.6	1.6	1.4	1	47	25.2	17.9	12.7	1.6	1.7	1.4	2.3	2
4	17.9							1	48	29.4	18.9	13.3	2.7	2.2	1.8	2.1	2
5	27.9			1.6	2.1	1.3	3.1	1	49	22.3	17.7	14.3					1
6	32.2	23.4		1.5	2.3	2	3.1	1	50	/							/
7	29.1	18.2						1	51	22.7							3
8	21.6							2	52	18.8							3
9	19.2							1	53	18.8							2
10	18.8							2	54	17.8							1
11	22.8							2	55	22.8							3
12	22.7							1	56	/							/
13	22							2	57	25.5							1
14	27.9							1	58	30.4	20.5	14.5	2.5	2	1.3	3.7	2
15	30.1	19.1	14	1.5	1.6	3	3.1	1	59	25.5			2.1	1.3	1.7	2.2	2
16	20.4							2	60	30.9	22.3	14.8	2	2.6	2.3	3.3	1
17	30.4	21.2		1.9	2.1	2.3	2.2	2	61	24.9	21	13.2	1.4	1.9	2.3	2.6	3
18	27.1	19.1	14.6	1.7	2.2	2.1	1.6	2	62	21.6			2.4	1.4	0.7	1.9	1
19	17.1	18.2	14.5					2	63	28.8	22.2	14	2	1.6	1.4	2.9	1
20	24.6			2	1.9	1.5	1.6	1	64	18.1							1
21	22.7							1	65	26.1	21.6	14.3					2
22	22.1							1	66	30.8	22.6	15	2.3	2.2	2	3.1	2
23	27.7			2.1	1.2	2.5	2	1	67	26.9	20.1	13	1.6	1.9	2.3	3.1	1
24	15.9							3	68	26.1	21.1	14.4					3
25	20							2	69	29.5	20.4	12.8					3
26	13.1							2	70	22	19.5	14.1					3
27	20							2	71	21	18.5	12.9					1
28	33	22.8		2.3	2.1	2.5	3.6	1	72	24.3	19.4	13.1	2.1	1.7	2.4	1.9	2
29	21.7							1	73	/							/
30	36.9	23.8						1	74	23.9	18.1	12.1					1
31	24.6	21.7	14.3					2	75	28.3	17.5						2
32	24.2	21.8	15					1	76	35.7	23.7						3
33	30.5	21.5	15.1					2	77	26.7							1
34	12.4	17.7	14.5					3	78	/							/
35	22.4							2	79	26.4							2
36	24.2							2	80	16.8							1
37	27.6							1	81	31.7	22.5		3.2	2.8	2.1	3.7	1
38	/							/	82	24							1
39	19.1	16.2	12.6					1	83	22.6							3
40	27.3			2.7	0.9	2.7	2.7	1	84	23.3							3
41	24.9			1.6	1.7	1.7	2.3	1	85	28.8	19.1		1.9	2.2	2.7	2.6	3
42	25.6			1.7	1.8	1.9	3.4	2	86	19.9	18.9	12.8					1
43	28.3	18		2.8	2.2	1.5	3.1	2	87	23.3			1.3	1.4	1.7	2.6	1
44	24.6			1.7	1.5	2.3	2.4	2	Suma	2004.4							

Odrediti i analizirati sledeće elemente rasta i sastojinske izgrađenosti i po potrebi ih grafički predstaviti:

1. Srednje prečnike i visine;

1.1. Aritmetički srednji prečnik:

$$\bar{d} = \frac{1}{n} \sum_1^n d =$$

1.2. Srednji prečnik po temeljnici:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50833.26}{n}} =$$

1.3. Srednji prečnik dominantnih stabala po temeljnici:

$$D_g = \sqrt{\frac{\sum_1^n D_{20\%}^2}{n_{20\%}}} =$$

1.4. Aritmetička srednja visina:

$$\bar{h} = \frac{1}{n} \sum_1^n h =$$

1.5. Srednja visina dominantnih stabala:

$$H_g = \sqrt{\frac{\sum_1^n H_{20\%}^2}{n_{20\%}}} =$$

1.6. Visinsku krivu i krivu visina početka krošnje:

redova *60x65* *kolona*

