

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	25.8							1	45	21							3
2	26.4							1	46	26.4			0.9	1.8	2.4	2.1	1
3	22.7			1.5	2.2	1.6	1.6	1	47	25.6	18.2	12.9	1.6	1.6	1.5	2.6	2
4	18.2							1	48	29.2	18.8	13.3	2.8	2.3	1.9	2	2
5	27.9			1.7	2.1	1.2	3.1	1	49	22.7	18	14.6					1
6	32.4	23.3		1.5	2.5	1.8	3.5	1	50	/							/
7	28.9	18.2						1	51	22.7							3
8	21.6							2	52	18.9							3
9	19.1							1	53	18.9							2
10	18.8							2	54	17.9							1
11	22.5							2	55	22.7							3
12	22.5							1	56	/							/
13	21.6							2	57	25.6							1
14	27.7							1	58	30.4	20.5	14.3	3	1.8	1.3	3.8	2
15	30	19.2	13.8	1.5	1.7	2.9	3.5	1	59	26			2.3	1.5	1.8	2	2
16	20							2	60	30.9	22.5	14.4	1.8	2.6	2.2	3.2	1
17	30.5	21.1		1.8	2.1	2.6	2.6	2	61	25.1	21	13.1	1.3	1.9	2.5	2.6	3
18	27	19.4	14.5	1.8	2.1	2.1	1.5	2	62	21.4			2.3	1.5	0.6	1.7	1
19	17	18.2	14.5					2	63	28.8	21.9	14.3	2.4	1.5	1.7	2.7	1
20	24.4			2.3	1.5	1.9	1.7	1	64	18							1
21	22.6							1	65	26.3	21.5	14.2					2
22	22.2							1	66	30.8	22.6	14.7	1.8	2	2	3.1	2
23	27.6			2.3	1.2	2.7	2	1	67	26.7	20.1	12.9	1.3	1.8	2.1	3.2	1
24	16.2							3	68	25.9	20.9	14.4					3
25	20.4							2	69	29.5	20.1	13.4					3
26	13							2	70	21.5	19.6	13.9					3
27	19.9							2	71	20.8	18.4	13.2					1
28	33	22.9		2.1	2.3	2.7	3.5	1	72	24	19.4	13.1	1.8	1.7	2.8	2.1	2
29	21.8							1	73	/							/
30	36.9	23.8						1	74	23.9	18.1	12.2					1
31	24.7	21.8	14.2					2	75	28.5	17.7						2
32	24.4	21.8	14.9					1	76	35.5	23.7						3
33	30.5	21.3	15					2	77	26.9							1
34	12.1	17.6	14.4					3	78	/							/
35	22.5							2	79	26.2							2
36	24.3							2	80	16.9							1
37	27.7							1	81	31.9	22.7		3	2.7	1.8	3.6	1
38	/							/	82	24							1
39	19.2	15.9	12.5					1	83	22.5							3
40	26.9			2.5	0.8	2.2	2.7	1	84	22.9							3
41	24.8			1.9	1.8	1.4	2.4	1	85	29	18.9		1.8	2	2.9	2.9	3
42	26			1.8	1.8	1.6	3.2	2	86	20	18.7	13.2					1
43	28.5	17.6		2.8	2.5	1.4	3.1	2	87	23.4			1.8	1.1	1.4	2.5	1
44	24.7			1.6	1.2	2.4	2.8	2	Suma	2004.2							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50829.64}{n}} =$$

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*

