

Zadatak 11 - No. 15 Karaklajic Jovan

Vežbe - Rast i proizvodnost šuma 2023

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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	25.9							1	45	21							3
2	26.6							1	46	25.9			1.1	1.8	2.2	1.9	1
3	22.7			1.7	2.3	1.8	1.6	1	47	25.5	18	13	1.7	1.6	1.5	2.6	2
4	18.4							1	48	29.6	18.6	13.5	2.9	2.4	1.8	2	2
5	27.7			1.5	2	1.5	3	1	49	22.7	18.3	14.2					1
6	32.4	23.2		1.3	2.4	2.1	3.4	1	50	/							/
7	29.1	17.9						1	51	22.6							3
8	21.7							2	52	18.8							3
9	19							1	53	19							2
10	18.7							2	54	17.7							1
11	22.4							2	55	22.9							3
12	22.4							1	56	/							/
13	21.8							2	57	25.3							1
14	28							1	58	30.5	20.4	14.2	2.9	1.8	1.3	3.7	2
15	29.8	19.2	13.9	1.8	1.4	3.1	3.2	1	59	25.9			2.2	1.6	1.9	2.1	2
16	20.1							2	60	30.8	21.8	14.7	2.1	2.6	2.2	3	1
17	30.4	21.1		2.2	1.9	2.4	2.5	2	61	24.9	20.9	13.1	1.1	1.6	2.4	2.6	3
18	27	19	14.7	1.6	2.1	2.1	1.7	2	62	21.2			2.3	1.4	0.9	1.7	1
19	16.9	18.1	14.3					2	63	28.5	21.8	13.7	2.3	1.3	1.5	2.8	1
20	24.4			2.1	1.8	1.6	1.5	1	64	18							1
21	22.9							1	65	26.2	21.1	14.4					2
22	22							1	66	30.9	22.8	14.9	2.2	2.4	1.8	3	2
23	27.7			2.1	1.2	2.2	2.3	1	67	27.2	19.9	13.1	1.6	1.7	2.3	2.8	1
24	16.1							3	68	26.2	20.9	14.3					3
25	20.1							2	69	29.3	20.1	13.3					3
26	13.5							2	70	21.5	19.9	13.7					3
27	19.9							2	71	20.7	18.1	13					1
28	32.9	23		2.1	2	2.6	3.5	1	72	24.3	19.3	13.2	2	1.6	2.6	2	2
29	21.9							1	73	/							/
30	36.8	24						1	74	23.6	18.2	12					1
31	24.8	21.5	14.4					2	75	28	17.6						2
32	24.2	21.7	14.9					1	76	35.7	23.5						3
33	30.2	21.4	15.4					2	77	26.6							1
34	12.1	17.5	14.4					3	78	/							/
35	22.4							2	79	26.2							2
36	24.1							2	80	17							1
37	27.8							1	81	31.6	22.4		3	2.4	2.2	3.8	1
38	/							/	82	24							1
39	19.2	16.4	12.7					1	83	22.4							3
40	27			2.9	0.8	2.3	2.7	1	84	23							3
41	24.8			1.9	1.8	1.5	2.6	1	85	29.1	19.2		2.1	1.7	3.1	2.4	3
42	25.8			1.6	1.6	1.6	3.3	2	86	19.9	18.6	13.2					1
43	28.2	17.5		3	2.1	1.7	3	2	87	23.2			1.7	1.5	1.9	2.3	1
44	24.6			1.7	1.5	2.3	2.7	2	Suma	2001.8							

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

1. Srednje prečnike i visine;

. Aritmetički srednji prečnik:

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

. Srednji prečnik po temeljnici:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50697.28}{n}} =$$

. Srednji prečnik dominantnih stabala po temeljnici:

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

. Aritmetička srednja visina:

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

. Srednja visina dominantnih stabala:

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

. Visinsku krivu i krivu visina početka krošnje:

redova 60x65 kolona

