

Zadatak 11 - No. 29 Anicic Andrej

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	26.4							1	45	20.6							3
2	26.5							1	46	26.3			1.3	1.8	2.3	2.4	1
3	22.7			1.6	2.2	1.7	1.5	1	47	25.2	17.8	12.9	1.7	1.4	1.4	2.8	2
4	17.8							1	48	29.5	18.6	13.4	2.8	2.2	1.8	2.3	2
5	27.5			1.6	1.7	1.3	3	1	49	22.7	18.1	14.3					1
6	32.2	23		1.4	2.2	2	3.5	1	50	/							/
7	28.8	17.9						1	51	22.9							3
8	21.7							2	52	18.6							3
9	19							1	53	18.8							2
10	19							2	54	17.6							1
11	22.7							2	55	22.9							3
12	22.1							1	56	/							/
13	21.9							2	57	25.3							1
14	28							1	58	30.6	20.2	14.3	2.8	1.7	1.2	4.1	2
15	30.5	19	13.9	1.6	1.6	2.7	3	1	59	25.9			2.2	1.8	1.9	2.1	2
16	20.4							2	60	30.7	22.2	14.9	1.6	2.5	2.2	2.8	1
17	30.7	21.1		2.3	2	2.3	2.3	2	61	25.2	21.2	13.2	1	1.9	2.3	2.5	3
18	26.9	19.2	14.5	1.5	2.3	1.9	1.5	2	62	21.3			2.6	1.4	0.9	1.6	1
19	16.8	18.2	14.3					2	63	28.6	22	14	2.5	1.3	1.7	2.8	1
20	24.6			2.2	1.5	1.9	2	1	64	17.8							1
21	23							1	65	26.2	21.3	14.4					2
22	22							1	66	30.8	22.7	15	2.4	1.8	1.8	2.8	2
23	27.7			2.2	1.4	2.6	1.9	1	67	26.9	20.2	13	1.6	1.7	2.2	3.2	1
24	16.1							3	68	26	20.9	14.4					3
25	20.2							2	69	29.3	20	13.2					3
26	13.2							2	70	21.5	19.4	14.1					3
27	20							2	71	20.7	18.3	13.3					1
28	33.2	22.9		2.2	2	2.6	3.5	1	72	24	19.5	13	2.1	1.6	2.6	1.9	2
29	21.9							1	73	/							/
30	36.6	23.8						1	74	23.6	18	12.3					1
31	24.8	21.6	14					2	75	27.9	17.5						2
32	23.9	22	14.7					1	76	35.7	23.7						3
33	30.4	21.3	15.2					2	77	26.9							1
34	12.4	17.8	14.5					3	78	/							/
35	22.5							2	79	26.4							2
36	23.9							2	80	16.8							1
37	27.8							1	81	31.8	22.7		2.8	2.8	1.9	3.9	1
38	/							/	82	24.1							1
39	19	16.1	12.5					1	83	22.5							3
40	27			2.5	0.7	2.2	2.9	1	84	23.1							3
41	24.9			2.1	2.3	1.2	2.5	1	85	29.2	19.1		1.9	1.8	2.9	2.9	3
42	26			1.7	1.9	1.9	3.3	2	86	19.9	18.7	13					1
43	28.2	17.8		3	2.2	1.3	3.1	2	87	23.1			1.7	1.6	1.6	2.3	1
44	24.9			1.8	1.6	2.3	2.6	2	Suma	2002.7							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50767.55}{n}} =$$

. 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

