

Zadatak 11 - No. 25 Dzaric Damjan

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	26.1							1	45	21.2							3
2	26.4							1	46	26.3			1.2	1.8	2.3	2.1	1
3	22.7			1.7	2.5	1.8	1.8	1	47	25.3	17.8	12.9	1.5	1.7	1.2	2.7	2
4	18.2							1	48	29.5	18.6	13.3	3.1	2.4	1.5	2.2	2
5	27.5			1.6	1.8	1	3.3	1	49	22.5	18.2	14.2					1
6	32.2	23.2		1.3	2.4	2	3.2	1	50	/							/
7	29.1	18.3						1	51	22.6							3
8	21.7							2	52	18.7							3
9	19.1							1	53	19							2
10	18.7							2	54	17.7							1
11	22.6							2	55	22.8							3
12	22.6							1	56	/							/
13	21.5							2	57	25.5							1
14	27.8							1	58	30.3	20.3	14.4	2.8	1.8	1.5	3.9	2
15	30	19	13.9	1.7	1.6	3.1	3.4	1	59	25.8			2.5	1.7	1.8	2.2	2
16	20							2	60	30.8	22.4	14.6	2.1	2.6	2.3	2.7	1
17	30.4	21.1		2.1	2	2.5	2.5	2	61	25.1	21	12.9	1.3	1.8	2.5	2.7	3
18	27.2	19	14.4	1.9	2.3	1.7	1.6	2	62	21.3			2.4	1.5	0.9	1.7	1
19	16.9	18	14.4					2	63	29	21.9	14.3	2.4	1.5	1.8	3.1	1
20	24.2			2.1	1.7	1.7	1.6	1	64	18.2							1
21	23.1							1	65	26.2	21.3	14.6					2
22	22.1							1	66	30.9	22.8	14.7	2.3	2.2	1.9	3.2	2
23	27.7			1.9	1.3	2.5	2	1	67	26.9	19.6	13	1.5	1.6	2.1	3.1	1
24	16							3	68	26.2	21.3	14.2					3
25	20.1							2	69	29.4	20.4	13.3					3
26	13.1							2	70	21.5	19.6	13.9					3
27	20.1							2	71	20.8	18.2	13					1
28	33.3	23.1		2.2	1.8	2.6	3.4	1	72	24.4	19.4	13.2	2	1.7	2.8	2.1	2
29	21.6							1	73	/							/
30	36.8	23.9						1	74	23.6	18.1	12					1
31	24.7	21.4	14.2					2	75	27.9	17.5						2
32	24.1	21.7	14.8					1	76	35.8	23.7						3
33	30.2	21.3	14.9					2	77	26.8							1
34	12.3	17.5	14.4					3	78	/							/
35	22.2							2	79	26.4							2
36	24.2							2	80	16.8							1
37	27.6							1	81	31.7	22.5		3	2.6	2	3.8	1
38	/							/	82	23.9							1
39	19	16.2	12.6					1	83	22.7							3
40	26.9			2.6	1	2.6	2.9	1	84	23.1							3
41	25			2	1.8	1.2	2.5	1	85	29.2	19		2	2	2.7	2.9	3
42	25.6			1.7	1.9	1.9	3.4	2	86	19.9	18.7	13.3					1
43	28.2	17.8		2.7	2.5	1.2	3.2	2	87	23.1			1.3	1.3	2	2.3	1
44	24.7			1.3	1.4	2.7	2.6	2	Suma	2002.3							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50739.73}{n}} =$$

. 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

