

Zadatak 11 - No. 6 Jevremovic Uros

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	45	20.9							3
2	26.6							1	46	26			1.1	1.6	2.5	2.2	1
3	22.4			1.5	2.4	1.7	1.1	1	47	25.5	17.8	13	1.7	1.4	1.6	2.7	2
4	17.9							1	48	29.7	18.4	13.2	2.9	2.3	1.8	2.1	2
5	27.8			1.7	2	1.3	3	1	49	22.8	17.8	13.9					1
6	32.3	23.3		1.6	2.2	2.1	3.4	1	50	/							/
7	28.8	18.1						1	51	22.7							3
8	21.5							2	52	18.8							3
9	19							1	53	19							2
10	18.9							2	54	18							1
11	22.6							2	55	22.8							3
12	22.3							1	56	/							/
13	22							2	57	25.3							1
14	28							1	58	30.4	20.2	14.3	2.8	1.8	1.5	3.7	2
15	30	19.1	13.8	1.7	1.4	3	3.4	1	59	25.8			2.1	1.5	2.2	2.3	2
16	20.5							2	60	30.7	22.2	14.9	1.7	2.5	2	2.6	1
17	30.3	21.1		1.9	2.1	2.5	2.4	2	61	25	21.2	13.3	1.2	1.7	2.3	2.7	3
18	27	19.2	14.5	1.8	2.2	2	1.6	2	62	21.7			2.3	1.5	0.5	1.8	1
19	17	18.4	14.4					2	63	28.9	21.9	13.9	2.4	1.3	1.5	2.8	1
20	24.4			2.4	1.6	1.5	1.7	1	64	18.2							1
21	22.7							1	65	26.1	21.5	14.5					2
22	21.9							1	66	31	22.7	14.9	2.2	2.5	1.7	3.1	2
23	27.6			2.1	1.3	2.3	1.9	1	67	26.8	20.1	13	1.8	1.4	2.1	3.1	1
24	16.2							3	68	26	21	14.3					3
25	20.2							2	69	29.6	20.2	13.5					3
26	13.5							2	70	21.7	19.8	13.7					3
27	20.2							2	71	20.5	18.4	13.3					1
28	33	23.1		2.1	2	2.4	3.3	1	72	24.2	19.6	13.3	2	1.2	2.8	2.2	2
29	21.8							1	73	/							/
30	36.9	23.8						1	74	23.6	17.8	12.2					1
31	24.5	21.4	14.2					2	75	28.2	17.5						2
32	24.1	21.8	15.2					1	76	35.6	23.9						3
33	30.7	21.3	15					2	77	26.6							1
34	12.1	17.5	14.3					3	78	/							/
35	22.3							2	79	26.4							2
36	24							2	80	16.9							1
37	27.6							1	81	31.8	22.7		3.1	2.5	2	3.8	1
38	/							/	82	24.4							1
39	19.2	16.3	12.9					1	83	22.5							3
40	27.3			2.8	0.8	2.6	2.6	1	84	22.8							3
41	25			2.1	1.9	1.3	2.7	1	85	28.9	19		1.7	2.1	2.9	2.8	3
42	25.6			1.7	2	1.5	3.3	2	86	19.8	19	12.9					1
43	28.4	17.7		2.6	2.4	1.2	3.3	2	87	23.4			1.6	1.4	1.8	2.5	1
44	25.1			1.6	1.4	2.3	2.7	2	Suma	2004.2							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50818.52}{n}} =$$

. 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

