

Zadatak 11 - No. 26 Kuburovic Sladjana

Vežbe - Rast i proizvodnost šuma 2023

markokazimirovic.shinyapps.io/Zadatak11/



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	26.3							1	45	20.9							3
2	26.3							1	46	26			1.1	1.8	2.5	1.7	1
3	22.6			1.3	2.3	1.9	1.5	1	47	25.3	18	13	1.4	1.6	1.2	2.7	2
4	18							1	48	29.7	18.7	13.1	2.7	2.3	1.9	2	2
5	27.5			1.7	2.2	1.2	3.2	1	49	22.7	18.1	14.2					1
6	32.3	23.2		1.4	2.1	2	3.4	1	50	/							/
7	29	17.9						1	51	22.8							3
8	21.5							2	52	18.8							3
9	19							1	53	18.9							2
10	18.7							2	54	17.7							1
11	22.7							2	55	22.6							3
12	22.4							1	56	/							/
13	21.6							2	57	25.4							1
14	27.9							1	58	30.5	20.2	14.3	2.7	1.9	1.4	4	2
15	30.2	19.1	13.9	1.7	1.5	2.6	3.4	1	59	26			2.2	1.4	1.9	2.2	2
16	20.2							2	60	30.8	22	14.5	1.8	2.3	2.1	2.9	1
17	30.4	20.9		2.2	2	2.4	2.4	2	61	25.3	21.1	13.1	1.1	1.9	2.1	2.6	3
18	27.2	18.9	14.7	1.6	2.1	2	1.3	2	62	21.5			2.3	1.6	0.7	1.9	1
19	16.8	18.1	14.2					2	63	28.6	22	13.9	2.5	1.6	1.7	2.6	1
20	24.7			1.8	1.6	1.7	1.7	1	64	17.9							1
21	22.9							1	65	26.1	21.4	14.6					2
22	22							1	66	30.9	22.7	14.6	2.1	2.3	2.3	2.8	2
23	27.7			2	1.3	2.6	2	1	67	27	20	13.1	1.5	1.4	2.3	3.2	1
24	15.8							3	68	25.9	21.3	14.4					3
25	20.1							2	69	29.4	20.2	13.1					3
26	13.2							2	70	21.8	19.5	13.9					3
27	20							2	71	21	18.3	13					1
28	33	23.1		1.9	2.1	2.6	3.7	1	72	24.2	19.2	13	1.8	1.7	2.8	1.9	2
29	21.7							1	73	/							/
30	36.9	23.9						1	74	23.8	18.1	12.3					1
31	25	21.6	14.5					2	75	27.9	17.7						2
32	24.1	21.9	14.4					1	76	35.9	23.6						3
33	30.5	21.4	15.2					2	77	26.7							1
34	12	17.8	14.2					3	78	/							/
35	22.4							2	79	26.3							2
36	24.2							2	80	17							1
37	27.5							1	81	31.6	22.7		2.9	2.7	2	3.9	1
38	/							/	82	23.5							1
39	19.5	16	13					1	83	22.2							3
40	27.1			2.5	1	2.5	2.7	1	84	23							3
41	24.9			2	2.1	1.2	2.5	1	85	29	19.1		1.8	2.1	3	2.6	3
42	25.6			1.6	1.6	2.1	3.3	2	86	19.8	18.7	13.4					1
43	28.1	17.8		2.8	2.2	1.4	3.2	2	87	23.1			1.4	1.4	1.8	2.4	1
44	24.6			1.8	1.7	2.2	2.7	2	Suma	2001.6							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50717.84}{n}} =$$

. 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

