

Zadatak 11 - No. 7 Marinkovic Stanko

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	26.1							1	45	21							3
2	26.4							1	46	26.2			1.3	1.7	2.6	2	1
3	22.7			1.5	2.3	1.9	1.6	1	47	25.2	18.2	13.1	1.4	1.7	1.3	2.4	2
4	18.1							1	48	29.6	18.7	13.5	2.8	2.1	1.6	2.2	2
5	27.5			1.7	2	0.9	3	1	49	22.7	18.4	14.2					1
6	32.3	23.5		1.5	2.2	1.9	3.2	1	50	/							/
7	28.9	18.2						1	51	22.7							3
8	21.4							2	52	18.6							3
9	19.3							1	53	19							2
10	18.7							2	54	17.6							1
11	22.9							2	55	22.6							3
12	22.5							1	56	/							/
13	21.9							2	57	25.5							1
14	27.7							1	58	30.1	20.2	14.2	2.8	2	1.5	3.8	2
15	29.9	19.2	13.9	1.7	1.6	2.9	3.5	1	59	25.9			2.5	1.6	1.7	2.1	2
16	20.3							2	60	31	22.5	14.7	1.9	2.5	2	2.6	1
17	30.5	20.8		1.9	2.2	2.1	2.4	2	61	25	20.7	12.9	1.2	1.8	2.4	2.3	3
18	27.2	19.1	14.5	1.8	2.3	2	1.6	2	62	21.4			2.3	1.6	0.9	1.9	1
19	17	18.1	14.4					2	63	29	22	14	2.4	1.4	1.6	2.7	1
20	24.4			2.5	1.8	1.6	1.6	1	64	18							1
21	22.8							1	65	26.2	21.7	14.1					2
22	22.2							1	66	30.9	23	15	2.3	2.3	2	3.2	2
23	27.8			2	1.1	2.5	2	1	67	27.1	19.9	13	1.5	1.5	2.2	3.1	1
24	15.8							3	68	26	21.1	14.3					3
25	20.3							2	69	29.5	20.1	13.3					3
26	13.3							2	70	21.9	19.6	13.9					3
27	19.9							2	71	20.9	18.2	12.9					1
28	33.3	23.2		1.7	2.1	2.7	3.5	1	72	24.3	19.3	13	1.9	1.7	2.8	1.8	2
29	22							1	73	/							/
30	36.9	23.7						1	74	23.7	18.2	12.1					1
31	24.8	21.5	14.2					2	75	27.7	17.7						2
32	24.3	22.1	14.8					1	76	35.8	23.9						3
33	30.4	21	14.9					2	77	26.6							1
34	12.2	17.7	14.6					3	78	/							/
35	22.6							2	79	26							2
36	24.3							2	80	16.9							1
37	27.8							1	81	31.7	22.5		3.2	2.9	2.2	3.6	1
38	/							/	82	24.1							1
39	18.9	16.2	12.8					1	83	22.5							3
40	27.1			2.5	0.9	2.5	2.9	1	84	23.2							3
41	24.8			2.2	1.9	1.4	2.4	1	85	29	19		1.8	2.1	3.1	2.8	3
42	25.7			1.8	1.7	2	3.2	2	86	19.8	18.5	12.9					1
43	28.2	17.9		2.7	2	1.3	3.2	2	87	23.5			1.4	1.4	1.9	2.7	1
44	24.9			1.8	1.4	2.4	2.3	2	Suma	2004.4							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50840.56}{n}} =$$

. 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

