

Zadatak 11 - No. 32 Ljivic Sasa
 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	21.3							3
2	26.8							1	46	26.1			1.2	1.9	2.7	2.1	1
3	22.9			1.7	2	2	1.4	1	47	25.7	17.7	12.9	1.2	1.2	1.3	2.6	2
4	18							1	48	29.5	18.7	13.5	3.1	2.4	1.7	2.3	2
5	27.8			1.8	2.1	1.1	3.1	1	49	22.5	18.3	14.1					1
6	32	23.2		1.5	2.2	2	2.9	1	50	/							/
7	28.9	17.9						1	51	22.7							3
8	21.5							2	52	19							3
9	18.9							1	53	19.1							2
10	18.7							2	54	17.8							1
11	22.5							2	55	22.8							3
12	22.2							1	56	/							/
13	21.8							2	57	25.4							1
14	27.9							1	58	30.4	20.6	14.3	2.9	1.7	1.2	3.6	2
15	30	19	14.1	1.6	1.5	2.9	3.3	1	59	25.7			2.1	1.7	1.9	2.2	2
16	20.2							2	60	30.9	22.2	14.8	1.8	2.4	2.1	2.9	1
17	30.5	21.2		1.9	2.1	2.5	2.4	2	61	25.3	21.3	13	1.3	2	2.4	2.8	3
18	27.3	19.1	14.5	1.4	2.2	1.8	1.6	2	62	21.2			2.4	1.5	0.9	1.8	1
19	16.9	18	14.2					2	63	28.7	22	14.3	2.3	1.4	1.5	3	1
20	24.4			2	1.8	1.4	1.6	1	64	18.2							1
21	22.8							1	65	26.3	21.2	14.1					2
22	22							1	66	30.9	22.8	14.8	2.2	2.2	2	3.1	2
23	27.8			2	1.4	2.3	2.2	1	67	27	19.9	12.8	1.6	1.6	2.2	3.1	1
24	15.8							3	68	25.8	20.9	14.4					3
25	20.1							2	69	29.5	20	13.1					3
26	13							2	70	21.4	19.6	13.9					3
27	20							2	71	20.7	18	12.9					1
28	33.3	22.9		1.9	2.3	2.4	3.4	1	72	24.2	19.3	12.8	1.8	1.7	2.6	2.1	2
29	22							1	73	/							/
30	36.9	23.8						1	74	23.8	18.1	11.8					1
31	24.9	21.6	14.5					2	75	27.5	17.4						2
32	24.3	22	14.9					1	76	36	23.6						3
33	30.2	21.1	15.1					2	77	26.7							1
34	12	17.6	14.2					3	78	/							/
35	22.4							2	79	26.4							2
36	24.4							2	80	16.6							1
37	27.5							1	81	31.6	22.4		3.2	2.6	2.2	3.9	1
38	/							/	82	23.8							1
39	19.4	16.4	12.5					1	83	22.4							3
40	27.3			2.4	0.7	2.4	2.6	1	84	22.8							3
41	24.6			1.8	2.1	1.3	2.7	1	85	29.1	19.5		2	1.8	3.3	2.8	3
42	25.8			2.1	1.8	1.8	3.4	2	86	19.5	18.5	13.1					1
43	28.4	17.8		2.5	2.2	1.1	3.3	2	87	23.2			1.4	1.3	1.7	2.6	1
44	24.7			2	1.6	2.4	2.6	2	Suma	2002.4							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50767.42}{n}} =$$

. 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

