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Differences in volume of round timber caused by different determination methods

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Sažetak

Different methods of measuring and calculating the volume of logs in the forest after felling ("hand measuring") and in log yards of sawmills ("electronic measuring") give different results – volume of logs. The subject of this paper is the quantification of differences caused by the number and direction of scanning, by rounding and by volume calculation. The main results of measuring carried out under the actual sawmill conditions are as follows: single direction scanning is used for orientation or rough measuring, and not for exact measuring of round timber (at least two perpendicular directions are necessary), rounding (no cutting) has a very low influence (generally, not by single pieces), calculation of volume by sections results in a higher volume level when compared to the standard Huber's method of calculation based on mid diameter.

Ključne riječi

round timber; dimension measurement; log volume

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