

DETERMINING THE RADIUS OF ROUND STRUCTURES BY A PHOTOGRAPHIC METHOD IN DETERMINING ITS GEOMETRIC PARAMETERS

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ABSTRACT

Theoretical foundations for determining the radius of round structures by a photographic method using digital cameras are considered. Formulas for calculating the radius are derived and an accuracy estimate is made. Examples are given. The need to determine the radii may arise when measuring structures that have the shape of a body of revolution: chimneys and ventilation pipes, cooling towers, distillation columns, granulation towers, pile drivers above mine shafts, water towers, radio and television antenna supports, silo towers, building columns, various reservoirs, domes of historical monuments, etc.

KEYWORDS: *Construction Shaped Body Of Rotation, Radius, Digital Camera, Error.*

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