
On the possibility of the application of adhesive joints measuring control by electroresistive, electrocapacitive and acoustic methods

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The article covers the basic methods of non-destructive testing of adhesive joints. It presents an original method for assembly control of adhesive joints. Calculations of transition resistance and capacitance of the adhesive joint have been carried out. We suggest a scheme for measuring glued metal plates. An analysis of the results of glued metal plates measurements and calculation of relative measurement error are shown.

Keywords: adhesive joints, quality control, control methods, non-destructive testing, electroresistive measuring methods, electrocapacitive measuring methods.

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