

The invention relates to area of physics, in particular to method for determination of heat capacity of material. Method for determination of heat capacity of material includes placement of sample of material under investigation to cavity of working volume of first calorimeter, measurement of its temperature, displacement of sample to cavity of working volume of the other calorimeter temperature of which differs from temperature of the first calorimeter and measurement of quantity of heat given by sample of material to calorimeter or obtained from the other calorimeter, by that heat capacity of material under investigation is calculated. The invention provides decrease of time for measurement of heat capacity of material under investigation.