

Abstracts

Infrared Fiberoptic Temperature Control of the Heating Process in a Microwave Oven (Short Papers)

E. Belotserkovsky, O. Shenfeld and A. Katzir. "Infrared Fiberoptic Temperature Control of the Heating Process in a Microwave Oven (Short Papers)." 1994 Transactions on Microwave Theory and Techniques 42.5 (May 1994 [T-MTT]): 901-903.

An infrared (IR) fiberoptic temperature sensor was used to monitor of non-uniform heating of biological samples. The developed system allows the monitoring of temperature with an accuracy of $\pm 0.5^\circ \text{C}$ and can be very useful for medical, industrial and domestic applications.

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