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## **The Peculiarities of Photoinduced Absorption in Chalcogenide Glass Fibres**

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### **Abstract**

Photoinduced absorption (PA) provides a rich source of information about the localized states in the gap of chalcogenide glasses. Employment of fibre samples instead of thin film or bulk samples offers the possibility to increase the sensitivity of PA measurements. Respectively one can study photoinduced absorption characteristics at very low excitation light intensities, to extend the PA spectral and temperature range measurements.