



Optica Applicata 2008(Vol.38), No.2, pp. 295-303

Measurement of chromatic dispersion of microstructure optical fibers using interferometric method

P. Peterka, J. Kanka, P. Honzatko, D. Kacik

SEARCH

[Advanced search](#)

[About Optica Applicata](#)

[Current issue](#)

[Browse archives](#)

[Search](#)

[Editorial Board](#)

[Instructions for Authors](#)

[Ordering](#)

[Contact us](#)

Keywords

chromatic dispersion, optical fiber measurements, microstructure optical fibers

Abstract

We present a modification of the interferometric method for the measurement of optical fiber chromatic dispersion using an easily aligned, almost all-fiber Michelson interferometer. Particular issues of the microstructure fiber characterization are discussed. Accuracy of the method is validated by comparing the chromatic dispersion measurement of the standard single-mode fiber with results obtained using the phase-shift method.



176.4 kB

[Back to list](#)

© Copyright 2007 T.Przerwa-Tetmajer All Rights Reserved 2007