

Journal of Optics, 2008, Vol. 37, No. 2, Page 56-62

## **WHITE-LIGHT IMAGING IN A TWO GRATINGS DIFFRACTION PROCESS**

José J. Lunazzi and Noemí I.R. Rivera\*

Universidade Estadual de Campinas, Instituto de Física Gleb Wataghin,  
Caixa Postal 6165, 13083-970 Campinas, SP, Brazil

*(Received on November 02, 2007, Revised received on May 13, 2008)*

*A diffractive arrangement that allows imaging of an object without any intermediate or complementary element is presented. This optical system with only two diffraction gratings forms color images with white light.*

*Keywords: Diffractive Optics; Three-dimensional image; Image System; Holography.*