

**MEASURING APPARATUS AND METHOD FOR MEASURING A
MODULATION TRANSFER FUNCTION OF AN AFOCAL OPTICAL
SYSTEM**

5

Abstract

A measuring apparatus (100) for measuring a modulation transfer function (MTF) of an afocal optical system (105) has a receiving device (110), a light-providing device (115), a camera (120), at least one further light-providing device (125), at least one further camera (130), and a transmission interface (135). In an operational state, the light-providing device (115), the afocal optical system (105), and the camera (120) are arranged coaxially on or with measurement axes parallel to a measuring axis (162) oriented perpendicularly to the receiving plane (140). The further light-providing device (125), the afocal optical system (105), and the further camera (130) are arranged coaxially on or with measurement axes parallel to an oblique measuring axis (175) oriented obliquely to the measuring axis (162). An evaluation unit (180) is configured to identify, using at least one camera image (160), the modulation transfer function (MTF) of the afocal optical system (105).

(Fig. 1)