

Some phenomena are discussed several times in successive chapters, as expected, because a good deal of material is common to the work of different authors; however, the repetition is not a bad idea. The chapters by Dändliker, Creath and Kreis are particularly useful because of the extent to which electronic processing has invaded interferometry and revolutionized the field.

The only chapter I found disappointing was the one by Pryput-

niewicz. This material stands between the extremely mathematical tensor theory published in 1979 by W. Schumann and M. Dubas (Springer Series in Optical Sciences Volume 16) and the more algebraic treatments found in the rest of this book. I felt, in reading this material, a strong sense of regret that it has never achieved the popularity I had hoped for it when we first published it. Perhaps its inclusion in this excellent book will help. I am keenly

aware of the desperate need to approach this material from a fresh point of view, to reevaluate it, to cast it in a different format so that the general user can finally understand it and be motivated to use it. Unfortunately, that is not what is presented here; the same old equations dance before your eyes until you nod off to sleep. Even the newer material about electronic holography is somewhat out-of-date. It is duplicated to advantage in the chapters by Creath and Vikram.

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