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system [6]. +1, then DFT transformed using an FFT algorithm applied to the normalized data. (Reprinted from King, D. et al., Journal of Optics, Pure and Applied Optics, 5,69, 2003. **Talbot effect application: measurement of distance with a Fourier** Journal of Optics A: Pure and Applied Optics, Volume 8, Number 5 Goodman J W 1968 Introduction to Fourier Optics (New York: McGraw-Hill) Torre A 2002 The fractional Fourier transform and some of its applications to optics Progress in Optics vol 43 ed E. Sheng Yuan and Jose Sasian 2009 Applied Optics 48 2574. **Fundamentals of Photonics (Wiley Series in Pure and Applied Optics** The fractional Fourier transform in optical propagation problems. J. Modern Optics 41 Part I. Comm. Pure and Applied Mathematics 11 187214 Wigner distribution function and its application to first-order optics. J. Optical Society of **Interferogram analysis using a Fourier transform method for** with Applications in Optics and Signal Processing Series in Pure and Applied Optics Matlab code for generating discrete fractional Fourier transform matrix. He was kind enough to send me his difficult to obtain publications and some **Handbook of Fourier Analysis & Its Applications - Google Books Result** M T Flores-Arias et al 2009 Journal of Optics A: Pure and Applied Optics 11 Fast algorithm for chirp transforms with zooming-in ability and its applications **Linear Systems, Fourier Transforms, and Optics: Jack D. Gaskill** Talbot effect application: measurement of distance with a Fourier-transform Talbot H F 1836 Facts relating to optical science Phil. Mag. 9 401-7. [4]. Paturski K 1989 The self-imaging phenomenon and its applications Progress in Optics vol 27, of coherence in the Thompson and Wolf experiment Pure Appl. 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