



40 Interterometry Since we have place verys, we should be interference parties. which dim and brighter the as it tout mit only factors. The distance between peaks in intensity in Il increased with the navelingth, as the interference is against to be construct, where the distance difference in distance travelled is a multiple of the world. The distance between pents should deliverse in the continue of the reserver and AX = K3 m (3) 3) E, & Word = (1/Was)2 = 1(ke+kr2/2Re) - 9(2)) For a glan une, R=radius of currecture >> 00, 50 E> Ex we e - (r/wie)2 - i(kz-4ie))

direction

as in the

all and the constructions

as in the real part is cos (KZ-Y(Z)) which promiles the plane were amy I tude parallels So this is a good approximation if we - (v/wces)2 = 1.

For a plane nave (we) = 1, so we need e-ch/wces)2 = 1 or

(wood = 0, where v is distance from source and wee) is a paper by flux plane nave So, the Gawshan been is a good approximation for