

Fig. 1. $4f$ correlator used for optical security verification.

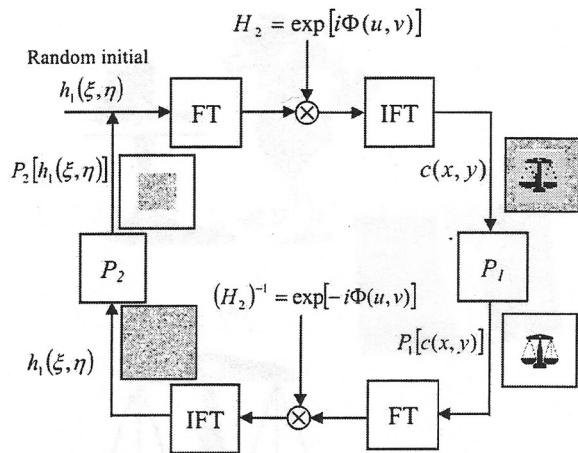
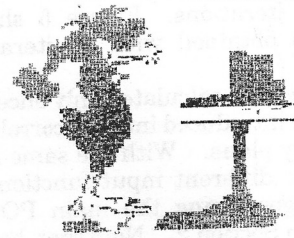
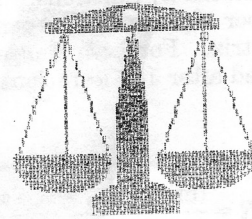


Fig. 2. Block diagram of the main POCS algorithm used to compute the phase-only mask $h_1(\xi, \eta)$.

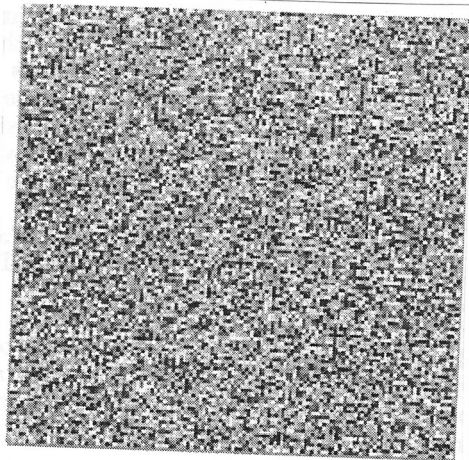


(a)

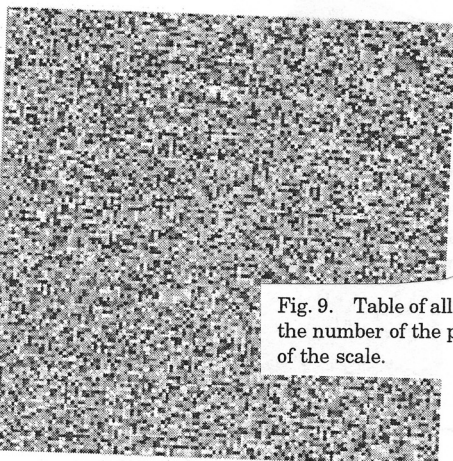


(b)

Fig. 8. Resultant images of $|c(x, y)|^2$ for (a) the duck and (b) the scale.



(a)



(b)

	$h_{1,1}$	$h_{1,2}$	$h_{1,3}$	$h_{1,4}$	$h_{1,5}$
$H_{2,1}$					
$H_{2,2}$					
$H_{2,3}$					
$H_{2,4}$					
$H_{2,5}$					

Fig. 9. Table of all cross correlations between functions h_1 and the inverse FT of functions H_2 . The second index of each function denotes the number of the process used to design the functions. Only the pairs that were designed together at the same process yield the image of the scale.