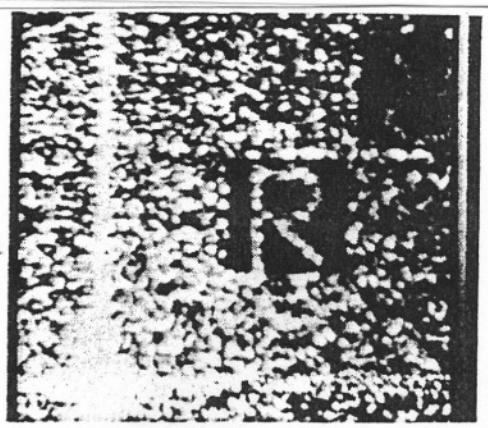

Fig. 1. Optical reconstruction of a 64×64 DBS hologram.

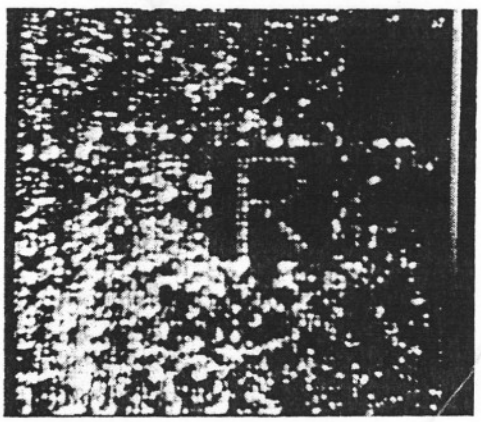

Fig. 2. Optical reconstruction of the 64×64 DBS hologram in Fig. 1 replicated 2×2 times.

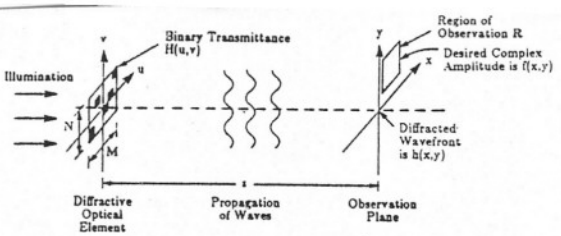

Fig. 3. Wavefront shaping with a binary CGH.

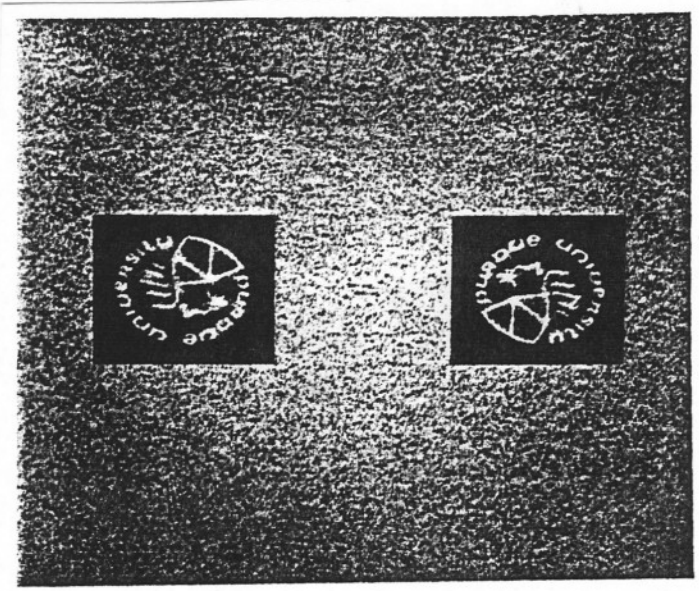

Fig. 5. Image reconstructed digitally from a 512×512 DBS hologram.

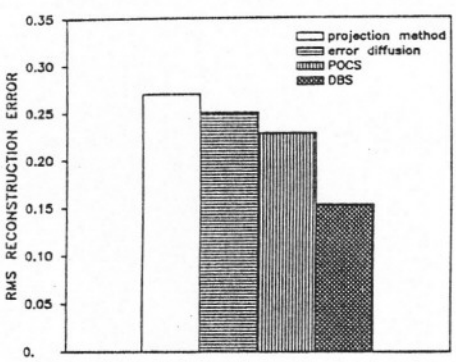

Fig. 7. Normalized rms error $\bar{e}_{rms}$ for the four design methods investigated. The errors are averaged over the images reconstructed from 64×64 holograms designed for the six objects in Fig. 6.

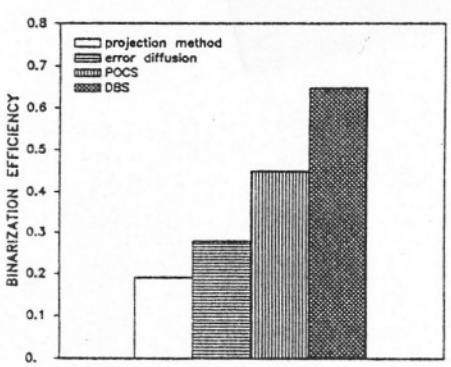

Fig. 8. Binarization efficiency η_{bin} for the four design methods investigated. The efficiencies are averaged over the images reconstructed from 64×64 holograms designed for the six objects in Fig. 6.

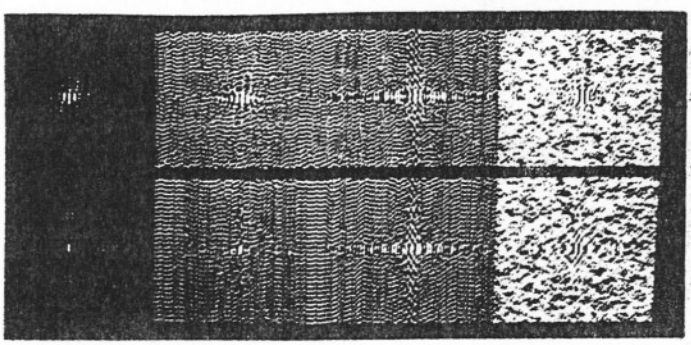

Fig. 9. Binary transmittance functions of 128×128 holograms synthesized by the four methods for two different 32×32 objects. From left to right, the holograms were designed by the projection method, error diffusion, POCS, and DBS.

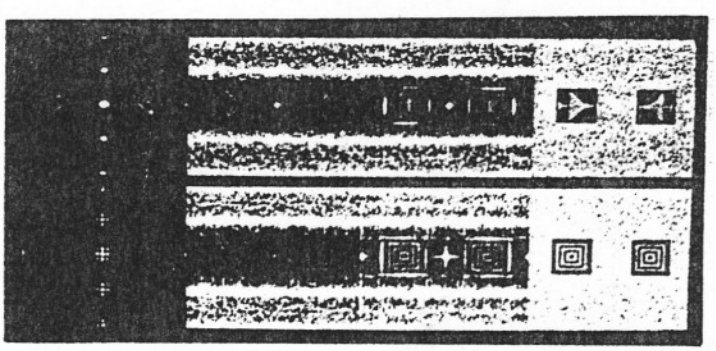

Fig. 10. Images reconstructed digitally from the 128×128 holograms shown in Fig. 9.