

Arithmetic Operations on Images

Video background subtraction

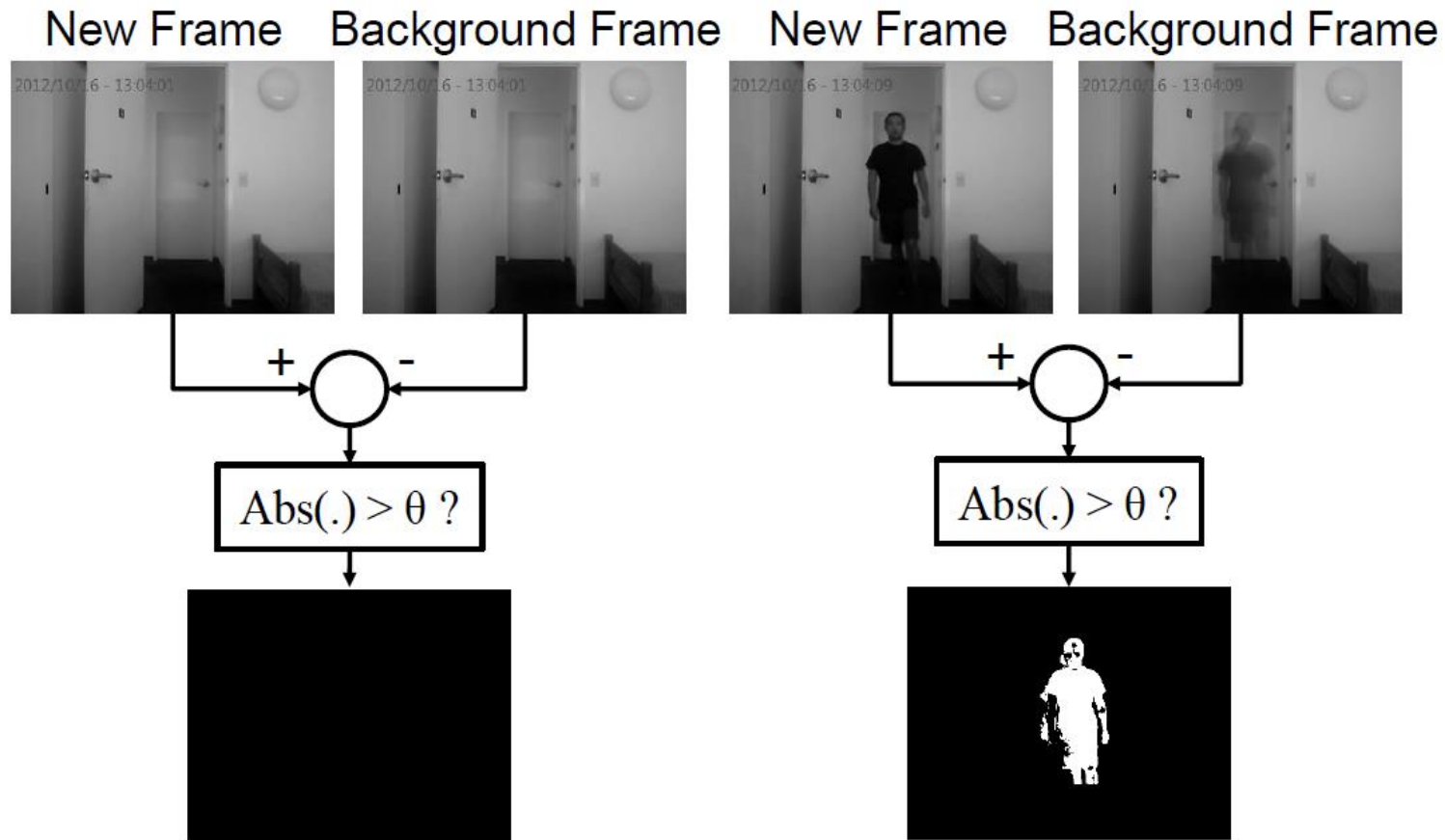
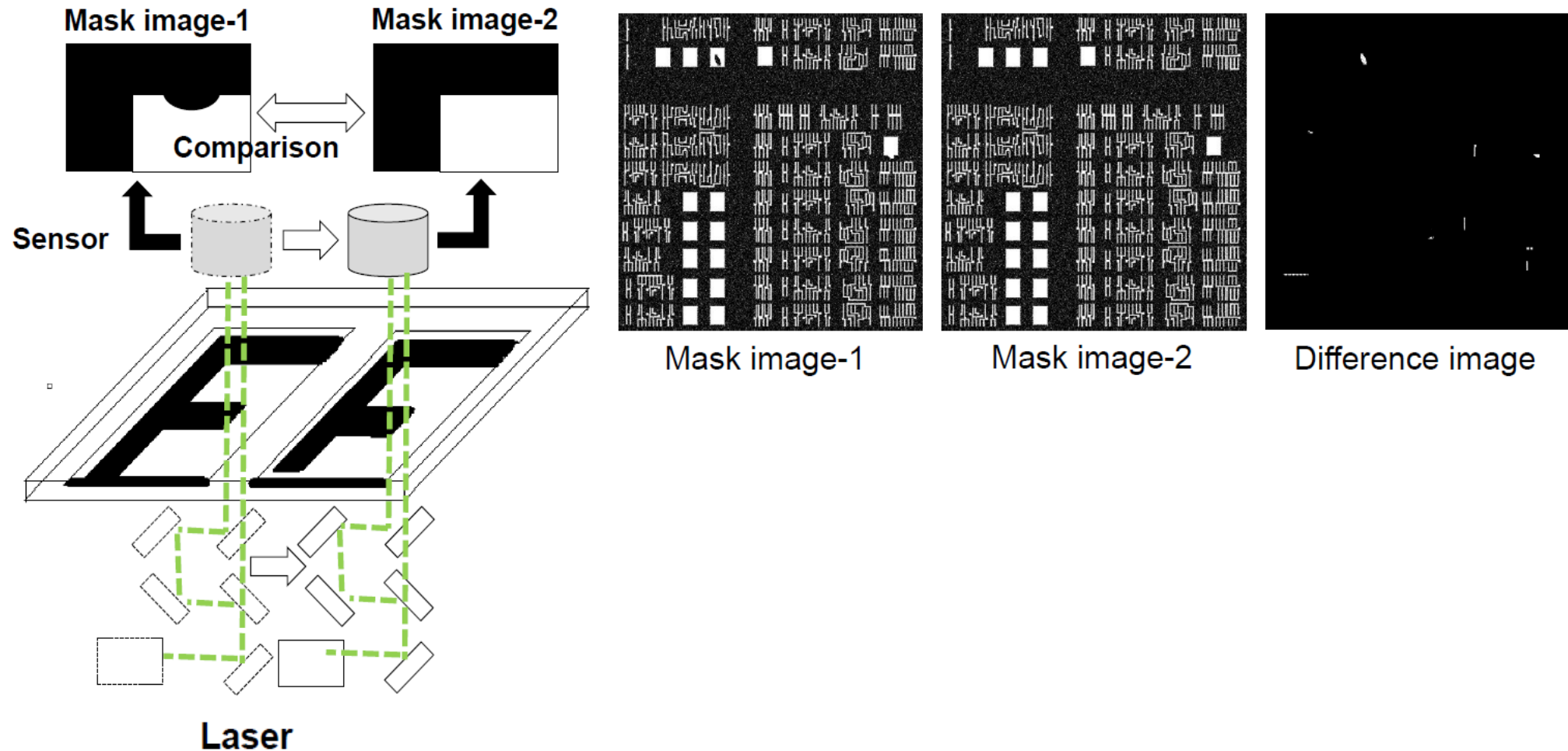


Image subtraction in IC manufacturing: inspection of photomasks



Where is the defect?

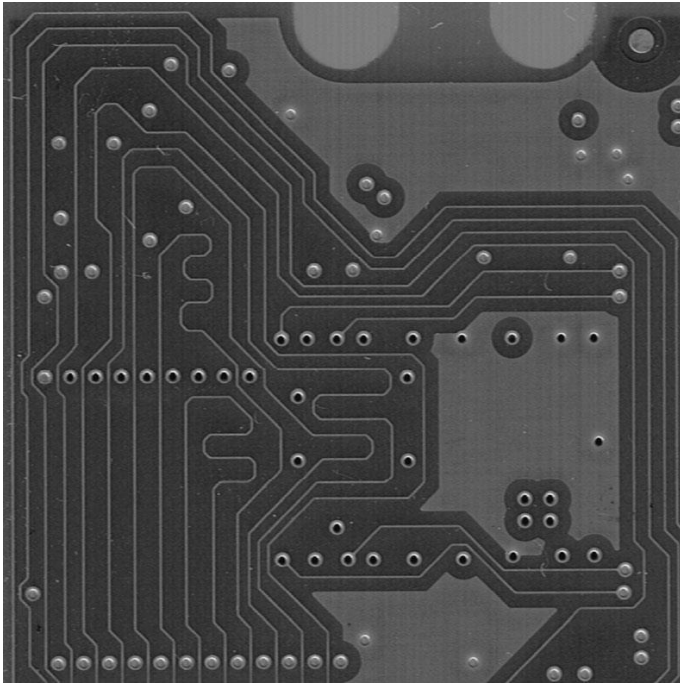


Image $g[x,y]$ (no defect)

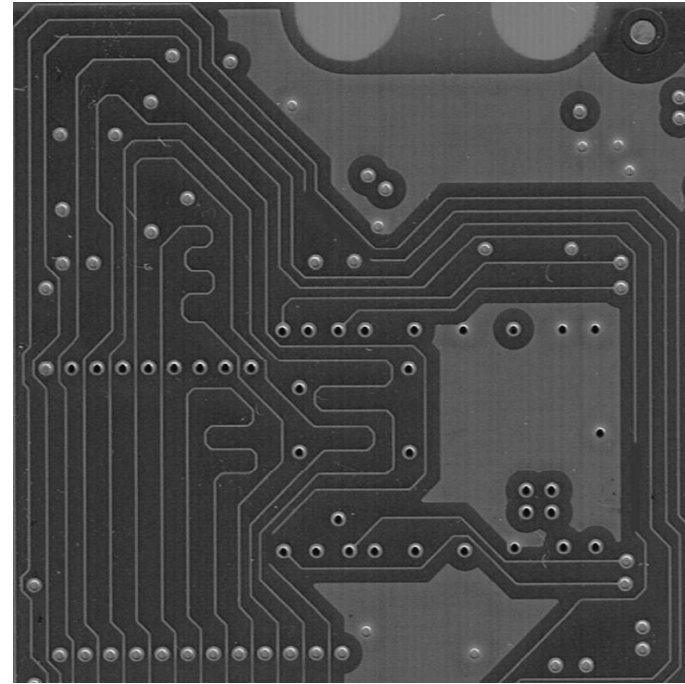
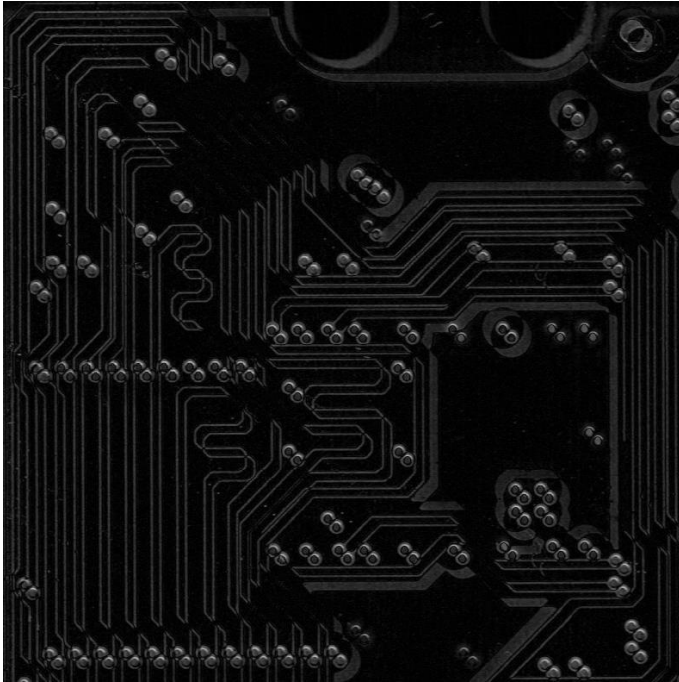
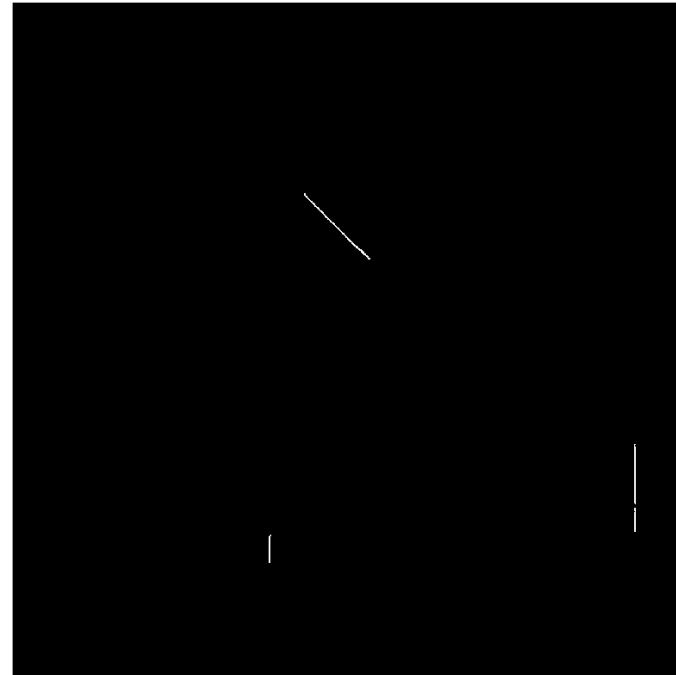


Image $f[x,y]$ (w/ defect)

Absolute difference between two images



$|f-g|$ w/o alignment



$|f-g|$ w/ alignment