

Method	Additions	Multiplications
Direct	$h + w - 2$	$h + w$
FFT	$O(\log(hw))$	$O(\log(hw))$
KII	53	18
CII	$12k - 8$	$8k - 8$
SII	$4k + 1$	k
Deriche	$8k - 2$	$8k$
Young and van Vliet	$4k$	$4k + 4$
Proposed method	$4k$	$2k$