









$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} w(x,y) \\ 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{array} $		
		ſ	From:
≻3,			Digital Image Processing by R.C. Gonzales & R.E. Woods















Filtering as matrix multiplication (1D))					
			-								-					
0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2] [0	٦
0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0.2 0	
0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0 0	
0	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0 0	
0	0	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0 0	
0	0	0	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0 0	
0	0	0	0	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0 0	
0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0 0	
0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0 1	
0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0	0	0	0 1	
0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0	0	0 1	
0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0	0 1	
0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0 1	
0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2 1	
0.2	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2 1	
0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2 1	