N=11

## N=21

beta =

peta =			Deta =		
3.6545			4.6061		
w = <b>(a)</b>	(c)	(e)	w = (a)	(c)	( <b>e</b> )
-0.0633 0.0408 0.0395 -0.1534 0.2533 0.7071 0.2533 -0.1534 0.0395 0.0408 -0.0633	-0.0062 0.0098 0.0187 -0.1122 0.2348 0.7071 0.2348 -0.1122 0.0187 0.0098 -0.0062	-0.0075 0.0127 0.0215 -0.1187 0.2379 0.7071 0.2379 -0.1187 0.0215 0.0127 -0.0075	-0.0070 0.0322 -0.0351 0.0071 0.0366 -0.0633 0.0408 0.0395 -0.1534 0.2533 0.7071 0.2533 -0.1534	-0.0006 0.0040 -0.0071 0.0022 0.0160 -0.0363 0.0289 0.0326 -0.1411 0.2481 0.7071 0.2481	-0.0004 0.0038 -0.0074 0.0023 0.0165 -0.0369 0.0291 0.0327 -0.1413 0.2482 0.7071 0.2482
del =			0.0395 0.0408	0.0326	-0.1413 0.0327 0.0291
0.1166	0.0078	0.0087	-0.0633 0.0366 0.0071	-0.0363 0.0160	-0.0369 0.0165
del_psi =			-0.0351 0.0322	0.0022 -0.0071 0.0040	0.0023
0.1428	0.5751	0.4748	-0.0070	-0.0006	0.0038 -0.0004
			del =		
			0.1100	0.0030	0.0030
			del_psi =		
			0.0842	0.3086	0.3003

The uniform window has large 8 (overshoot/sidelobes) but small sop (transition region). The Hamming and Kaiser windows reduce the overshoot/sidelobes at the expense of a wider transition region. The Kaiser window with the appropriate & closely matches the Hamming window.



