

CONSTANTES PARA LAS FORMULAS CERRADAS DE NEWTON COTES

N	α	$W_i, i = 0, 1, 2, 3, \dots, N$										
1	$\frac{1}{2}$	1	1									
2	$\frac{1}{3}$	1	4	1								
3	$\frac{3}{8}$	1	3	3	1							
4	$\frac{2}{45}$	7	32	12	32	7						
5	$\frac{5}{288}$	19	75	50	50	75	19					
6	$\frac{1}{140}$	41	216	27	272	27	216	41				
7	$\frac{7}{17280}$	751	3577	1323	2989	2989	1323	3577	751			
8	$\frac{4}{14175}$	989	5888	-928	10946	-4540	10946	-928	5888	989		
9	$\frac{9}{89600}$	2857	15741	1080	19344	5788	5788	19344	1080	15741	2857	
10	$\frac{5}{299376}$	16067	106300	-48525	272400	-260550	427368	-260550	272400	-48525	106300	16067

CONSTANTES PARA LAS FORMULA ABIERTAS DE NEWTON COTES

N	α	$W_i, i = 0, 1, 2, \dots, N + 2$									
1	$\frac{3}{2}$	0	1	1	0						
2	$\frac{4}{3}$	0	2	-1	2	0					
3	$\frac{5}{24}$	0	11	1	1	11	0				
4	$\frac{3}{10}$	0	11	-14	26	-14	11	0			
5	$\frac{7}{1440}$	0	611	-453	562	562	-453	611	0		
6	$\frac{8}{945}$	0	460	-954	2196	-2459	2196	-954	460	0	