	Vinlet	36,5													
	ALPHA	0 puis 12 puis 16													
	densité [kg/m^3]	1,15													
	C(length)	0,15													
	Area	0,15													
	iterations	1000													
			Mesh quality:	orthogonal	0,187	0 is low quality									
				ortho skew	0,5667	1 is low quality									
			Solution method	SIMPLE											
			Alpha	Cd	Cl	Fd	Fl	Residus X veloctiy	Res Y veloctiy	Method					
			0	1,82E-02	1,80E-01	2,09E+00	2,07E+01			SST - k omega					
			0	1,90E-02	1,90E-01	2,18E+00	2,18E+01	6,18E-08	1,70E-08	k epsilon realizable	realizable				
			0	1,76E-02	2,09E-01	2,02E+00	2,40E+01	4,30E-09	6,30E-09	Spalart Allmaras					
			Mesh quality:	orthogonal	0,187	0 is low quality									
Expected:															
drag	lift	moment	Alpha	Cd	Cl	Fd	Fl	Residus X veloctiy	Res Y veloctiy	Method					
1	-6,5	-0,2	-4			0,00E+00	0,00E+00			SST - k omega					
			-4	2,37E-02	-2,29E-01	2,72E+00	-2,63E+01	7,57E-11	5,28E-11	k epsilon	realizable				
			-4	3,97E-02	-2,13E-01	4,56E+00	-2,45E+01	1,26E-16	1,43E-17	Spalart Allmaras					
			Mesh quality:	orthogonal	0,1852	0 is low quality									
				ortho skew	0,5667	1 is low quality									
Expected:															
drag	lift	moment	Alpha	Cd	Cl	Fd	Fl	Residus X veloctiy	Res Y veloctiy	Method					
0,87	5,12	-0,28	0			0,00E+00	0,00E+00			SST - k omega					
			0	1,80E-02	2,20E-01	2,07E+00	2,53E+01	3,80E-12	8,10E-13	k epsilon	realizable				
			0	1,76E-02	2,09E-01	2,02E+00	2,40E+01	4,30E-09	6,30E-09	Spalart Allmaras					
			Mesh quality:	orthogonal	0,185	0 is low quality									
				ortho skew	0,567	1 is low quality									
Expected:															
drag	lift	moment	Alpha	Cd	Cl	Fd	Fl	Residus X veloctiy	Res Y veloctiy	Method					
1,4	18,8	-0,18	4			0,00E+00	0,00E+00			SST - k omega					
			4	2,25E-02	6,56E-01	2,58E+00	7,54E+01	1,01E-10	4,87E-11	k epsilon	realizable				
			4	3,81E-02	6,51E-01	4,38E+00	7,48E+01	4,60E-16	2,13E-16	Spalart Allmaras					
			Mesh quality:	orthogonal	0,1852	0 is low quality									
				ortho skew	0,5681	1 is low quality									
			Solution method	Coupled											
Expected:															
drag	lift	moment	Alpha	Cd	Cl	Fd	Fl	Residus X veloctiy	Res Y veloctiy	Method					
2,2	28,6	-0,17	8												
			8	3,92E-02	1,02	4,50E+00	0,00E+00	1,75E-09	7,21E-10	k epsilon	realizable				
			8	6,52E-02	1,03E+00	7,49E+00	1,18E+02	1,92E-11	2,03E-11	Spalart Allmaras					
			Mesh quality:	orthogonal	0,187	0 is low quality									
				ortho skew	0,5661	1 is low quality									
			Solution method	Coupled											
Expected:															
drag	lift	moment	Alpha	Cd	Cl	Fd	Fl	Residus X veloctiy	Res Y veloctiy	Method					
3,22	37,4	-0,15	12	1.4e-01 et 2.138 e-01	0.59 et 1.13	#VALUE!	#VALUE!	6,60E-04	1,60E-04	SST - k omega	Not converging	varying from 2.7 to 4.3 (X veloctiy)			
			12	7,49E-02	1,31E+00	8,61E+00	1,51E+02	7,90E-08	3,14E-08	k epsilon	realizable				
			12	1,18E-01	9,84E-01	1,35E+01	1,13E+02	5,60E-08	1,10E-08	Spalart Allmaras					
			Mesh quality:	orthogonal	0,187	0 is low quality									
				ortho skew	0,5667	1 is low quality									
			Solution method	Coupled											
Expected:															
drag	lift	moment	Alpha	Cd	Cl	Fd	Fl	Residus X veloctiy	Res Y veloctiy	Method					Cd kepsilon
4,85	41,5	-0,14	16	2,68E-01	9,18E-01	3,08E+01	1,05E+02	7,45E-06	2,25E-06	SST - k omega				-4	
			16	1,43E-01	1,25E+00	1,64E+01	1,43E+02	6,00E-08	2,10E-08	k epsilon	realizable			0	
			16	2,87E-01	9,78E-01	3,30E+01	1,12E+02	3,00E-06	1,00E-06	Spalart Allmaras				4	
														8	
														12	
Expected:														16	
drag	lift	moment	Alpha	Cd	Cl	Fd	Fl	Residus X veloctiy	Res Y veloctiy	Method				20	
13	32,7	-0,15	20	4,64E-01	2,01E-03	5,33E+01	2,31E-01	7,10E-08	1,88E-04	SST - k omega					
			20	4,30E-01	6,70E-04	4,94E+01	7,70E-02	6,90E-08	1,50E-08	k epsilon	realizable				
			20	5,12E-01	1,01E-04	5,89E+01	1,16E-02	1,88E-07	3,85E-08	Spalart Allmaras					
	Note: Sparlat Allmaras not stable and fait de la merde	oscillate between values													
	K omega is also not stable	oscillate between values	Is not a good approx.												
	K epsilon copnverges rapidly and perfectly (Cdrag and Clift)														
	Note : for aeronautical applications involving wall-bounded flows (or "boundary layer flows"), consider Sparlart-Allmaras model	low-Re effects, compressibility or shear flow spreading are important, consider k-w model	• for "general" flow situations, consider k-epsilon model												