





























Turbulence modelling	
Separated flow in 3D diffuser	(E.M. Cherry et al., 2006)
	Experiments
Experiments	
	RANS (wrong position and strength of recirculation)
RANS	
	LES
LES	
	LES - Fine grid (reasonable agreement)
LES - Fille Olid	
-0.1 0.1 0.3 0.6 0.8 1.0 1.2 [m/s]	-0.1 0.1 0.3 0.6 0.8 1.0 1.2 [m/s]
FIGURE 6. Streamwise velocity isolevels in a longitudinal section midspan in the diffuser 1	FIGURE 5. Streamwise velocity isolevels in four cross-sections along the diffuser 1.
www.pianc.org New-Orleans 2011 16	Setting the course



































