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1. File Report

Table 1. File Information for WT C3 BladesOnly45ms

Case	WT C3 BladesOnly45ms
File Path	E \2023\SDT\06-06-CFD-Project\Case-3\CFD_WindTurbine_C3_files\dp0\FFF-3\Fluent\FFF-3.1-1-03000.dat.gz
File Date	19 August 2023
File Time	06:24:52 AM
File Type	FLUENT
File Version	20.2.0

2. Mesh Report

Table 2. Mesh Information for WT C3 BladesOnly45ms

Domain	Nodes	Elements
cfld_domain inletzone	80014	414167
cfld_domain outletzone	234270	1222933
cfld_domain trubinezone	612325	3150885
All Domains	926609	4787985

3. Physics Report

Table 3. Domain Physics for WT C3 BladesOnly45ms

Domain - cfd_domain inletzone	
Type	cell
Domain - cfd_domain outletzone	
Type	cell
Domain - cfd_domain trubinezone	
Type	cell

Table 4. Boundary Physics for WT C3 BladesOnly45ms

Domain	Boundaries	
cfd_domain inletzone	Boundary - flowinlet	
	Type	VELOCITY-INLET
	Boundary - inletconewall	
	Type	WALL
	Boundary - interior cfd_domain inletzone cfd_domain trubinezone cfd_domain inletzone	
	Type	INTERFACE
	Boundary - turbineinnerwall cfd_domain inletzone	
	Type	WALL
cfd_domain outletzone	Boundary - flowoutlet	
	Type	PRESSURE-OUTLET
	Boundary - interior cfd_domain outletzone cfd_domain trubinezone cfd_domain outletzone	
	Type	INTERFACE
	Boundary - outletconewall	
	Type	WALL
	Boundary - turbineinnerwall cfd_domain outletzone	
	Type	WALL
cfd_domain trubinezone	Boundary - interior cfd_domain inletzone cfd_domain trubinezone cfd_domain trubinezone	
	Type	INTERFACE
	Boundary - interior cfd_domain outletzone cfd_domain trubinezone cfd_domain trubinezone	
	Type	INTERFACE
	Boundary - tb1	
	Type	WALL
	Boundary - tb2	
	Type	WALL
	Boundary - tb3	
	Type	WALL
	Boundary - tb4	
	Type	WALL
	Boundary - tb5	
	Type	WALL
	Boundary - tb6	
	Type	WALL
	Boundary - tb7	
	Type	WALL
	Boundary - tb8	
	Type	WALL
	Boundary - turbineinnerwall cfd_domain trubinezone	
	Type	WALL
	Boundary - turbinezonewall cfd_domain trubinezone	
	Type	WALL

4. User Data

Figure 1.

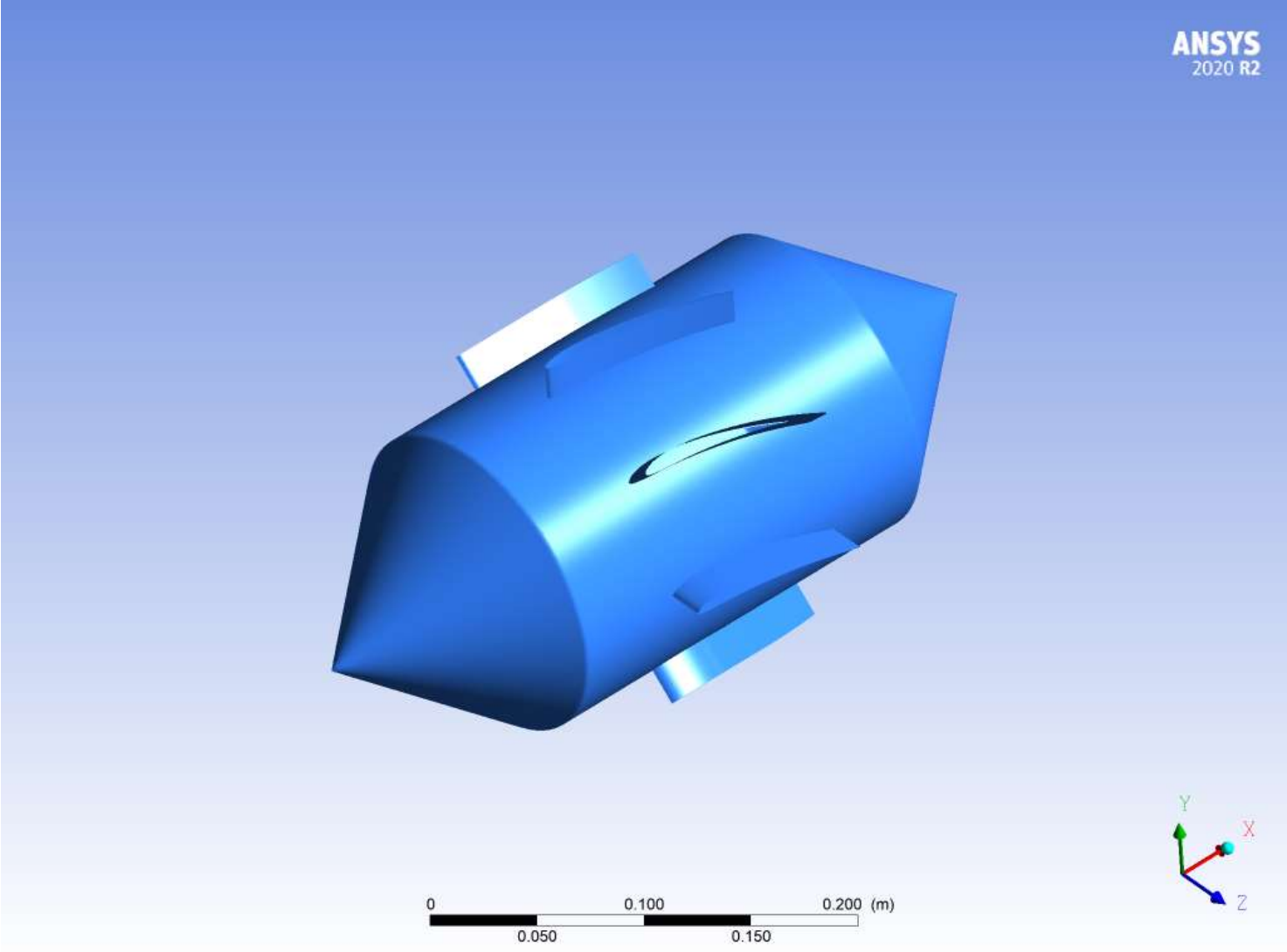


Figure 2.

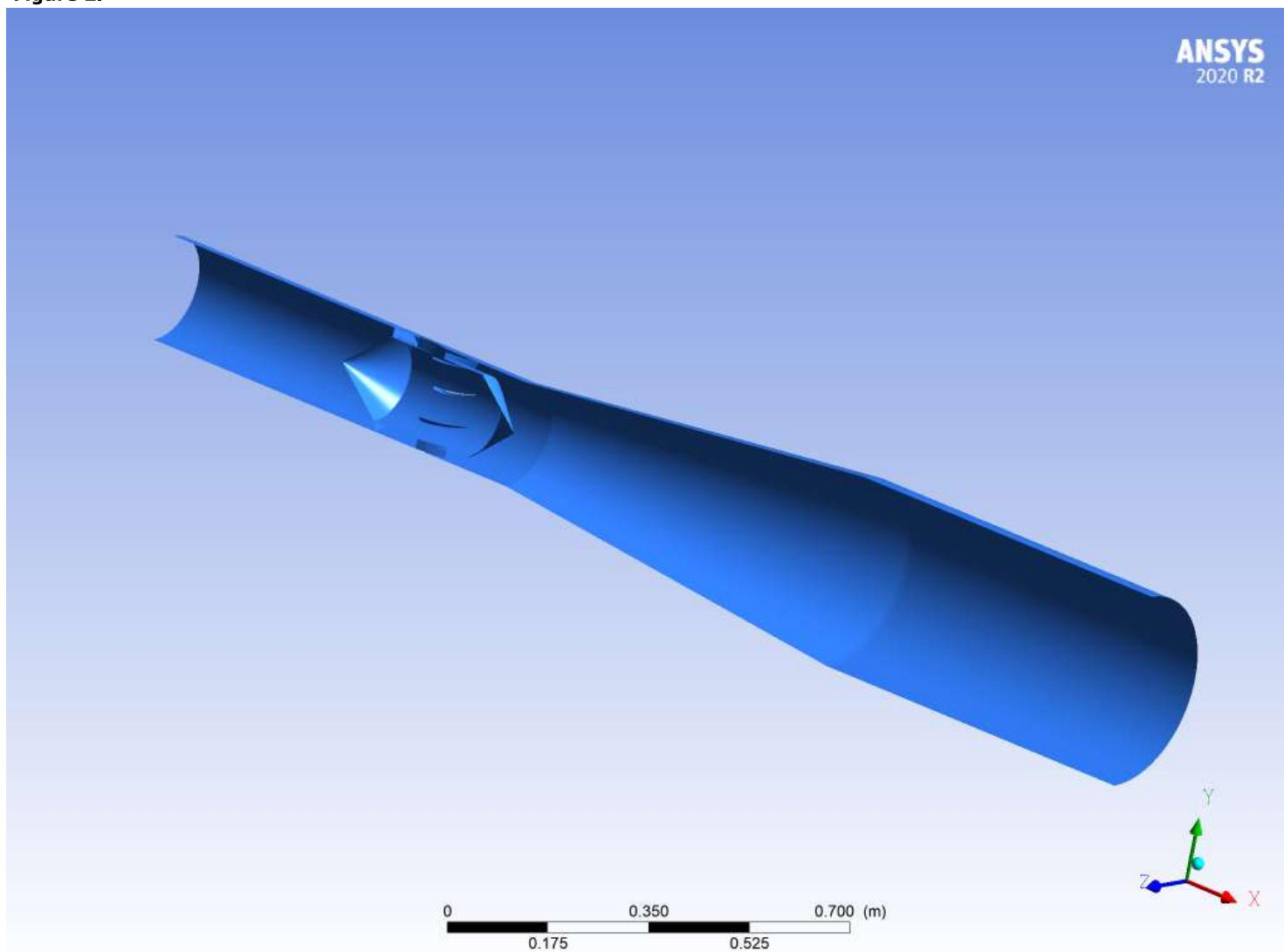


Figure 3.

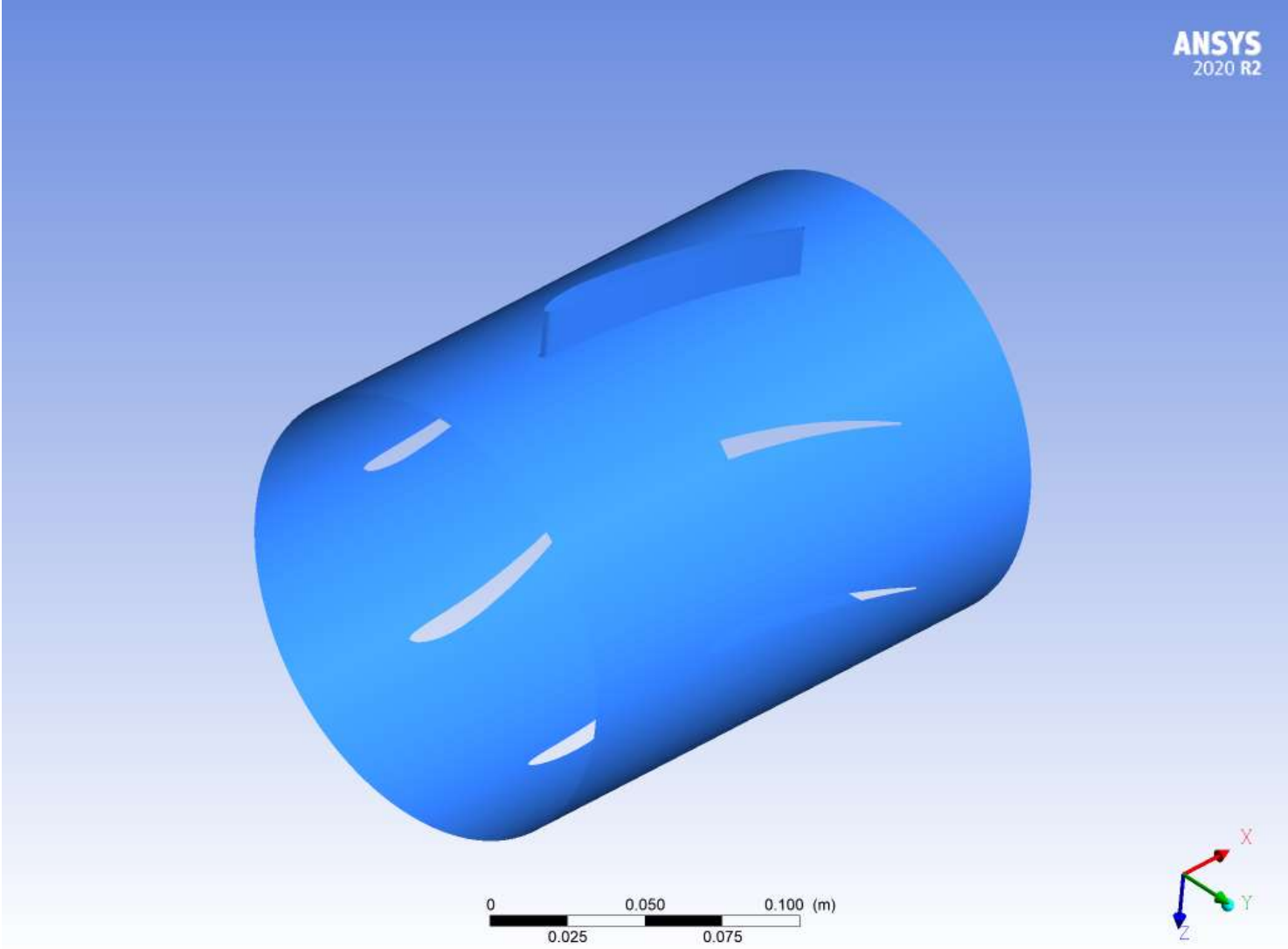


Table 5.

inlet velocity	4.500e+1 [m s ⁻¹]
F_y@tb1	-8.859e+0 [N]
T_x@tb1	-7.638e-1 [J]

Figure 4.

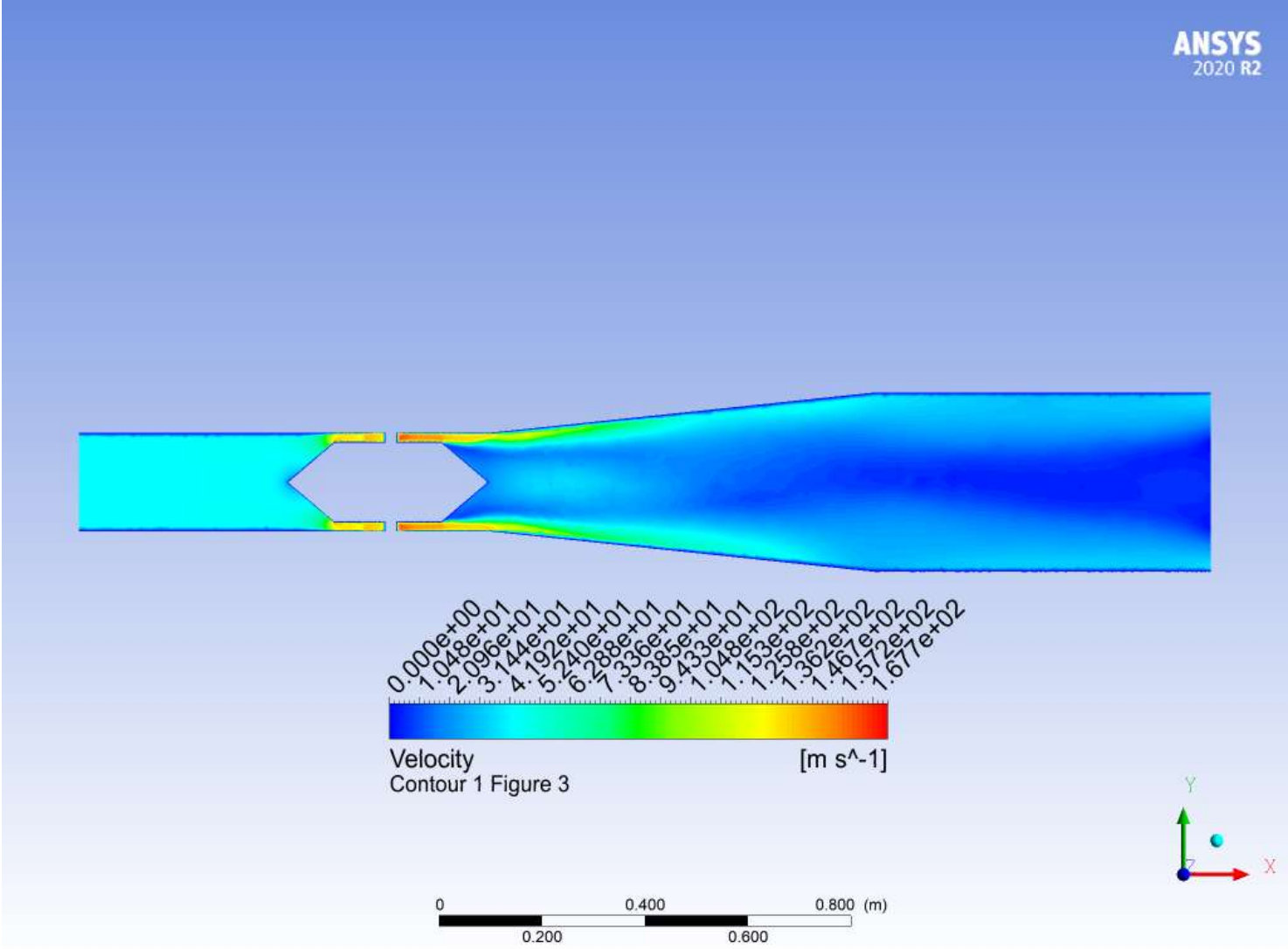


Figure 5.

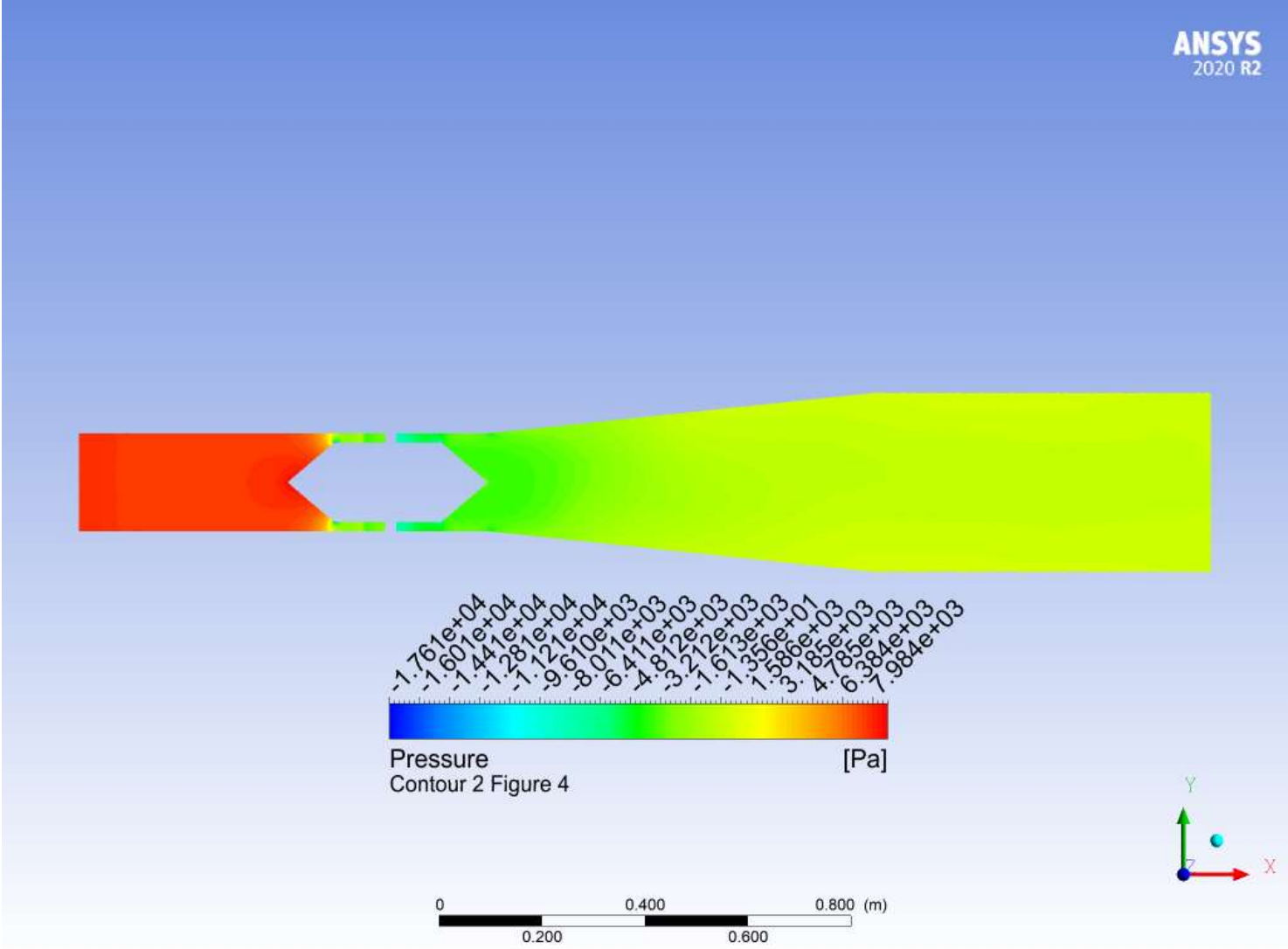


Figure 6.

Pressure
Contour 3 Figure 5

