

Figure 9. Pressure distribution

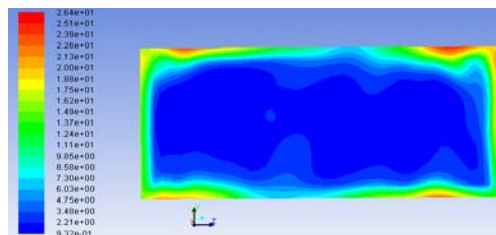


Figure 10. Turbulence intensity

IV. CONCLUSIONS

The existence of LNG stratification suggested the occurrence of rollover due to heat leak from bottom and side wall of the LNG tank. The convection of LNG inside the tank indicated the effect of heat leak which complements the theory of Bashiri on rollover phenomena. Meanwhile, the pressure profile of LNG showed the highest pressure point was along the circumference which joined tank top and tank side wall.

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