

Appendix B

Grid Independence Study

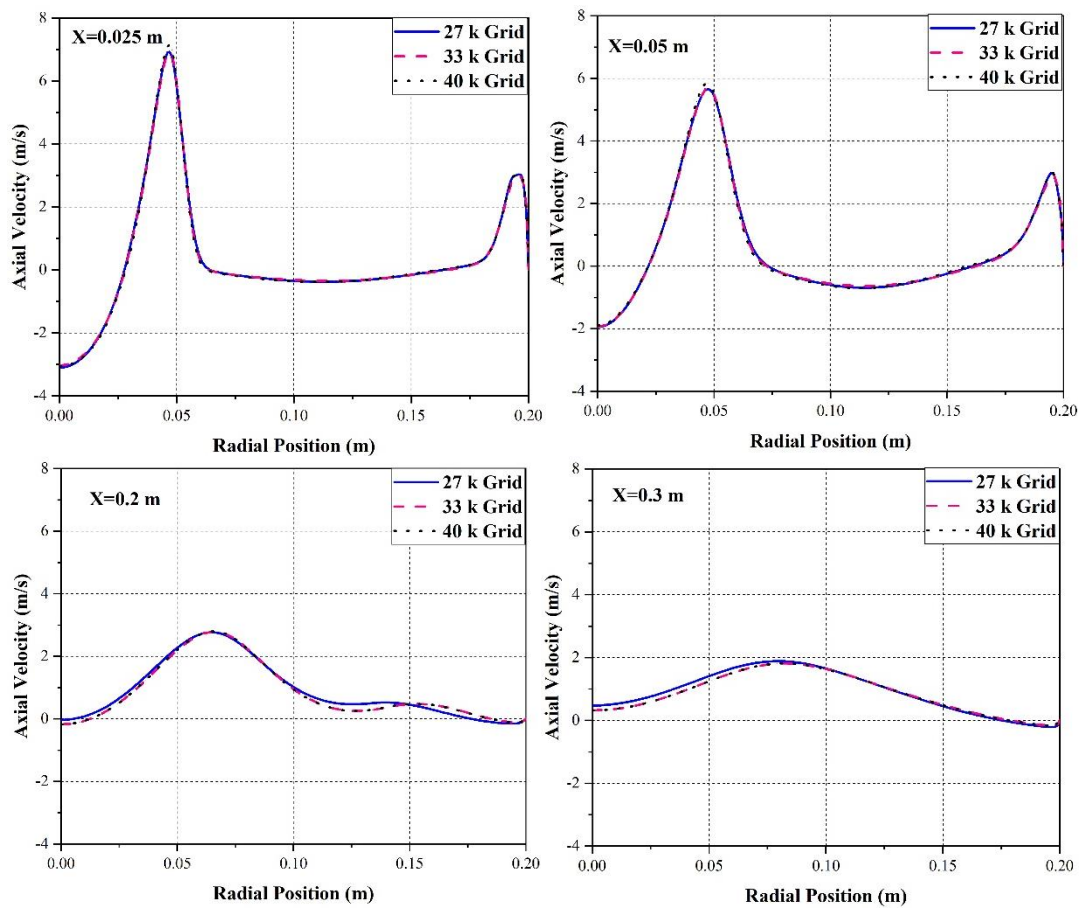


Fig. B1. Radial profile of axial velocity (m/s) at different axial location from burner exit for grid independence test

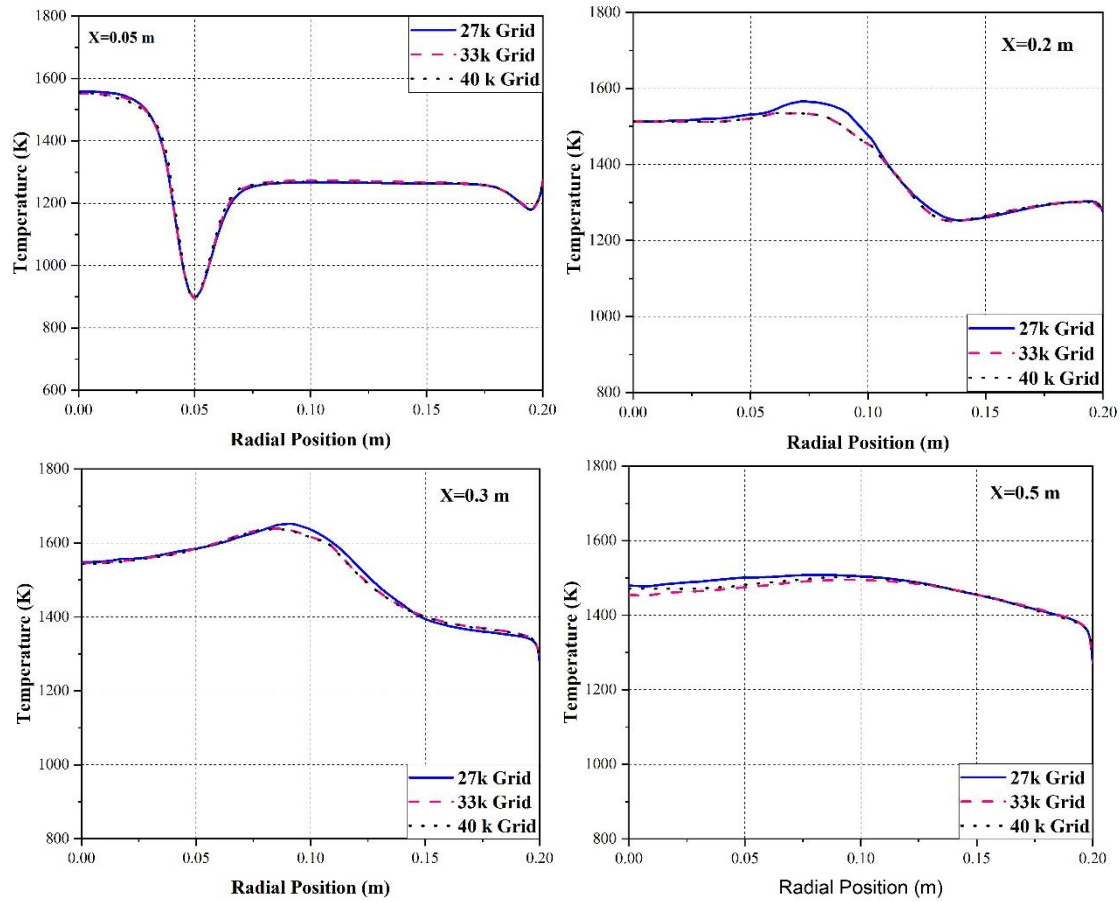


Fig. B2. Radial profile of Temperature (K) at different axial location from burner exit for grid independence test

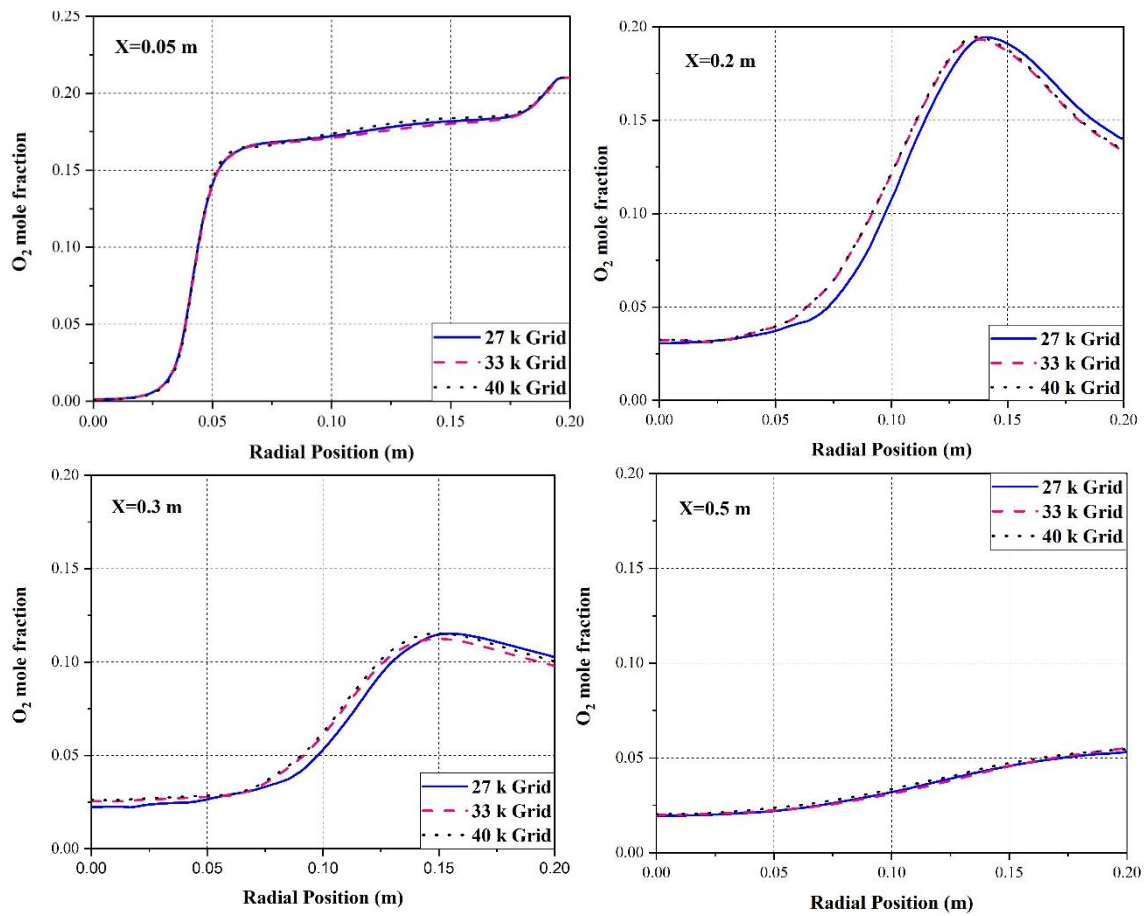


Fig. B3. Radial profile of O₂ mole fraction at different axial location from burner exit for grid independence test

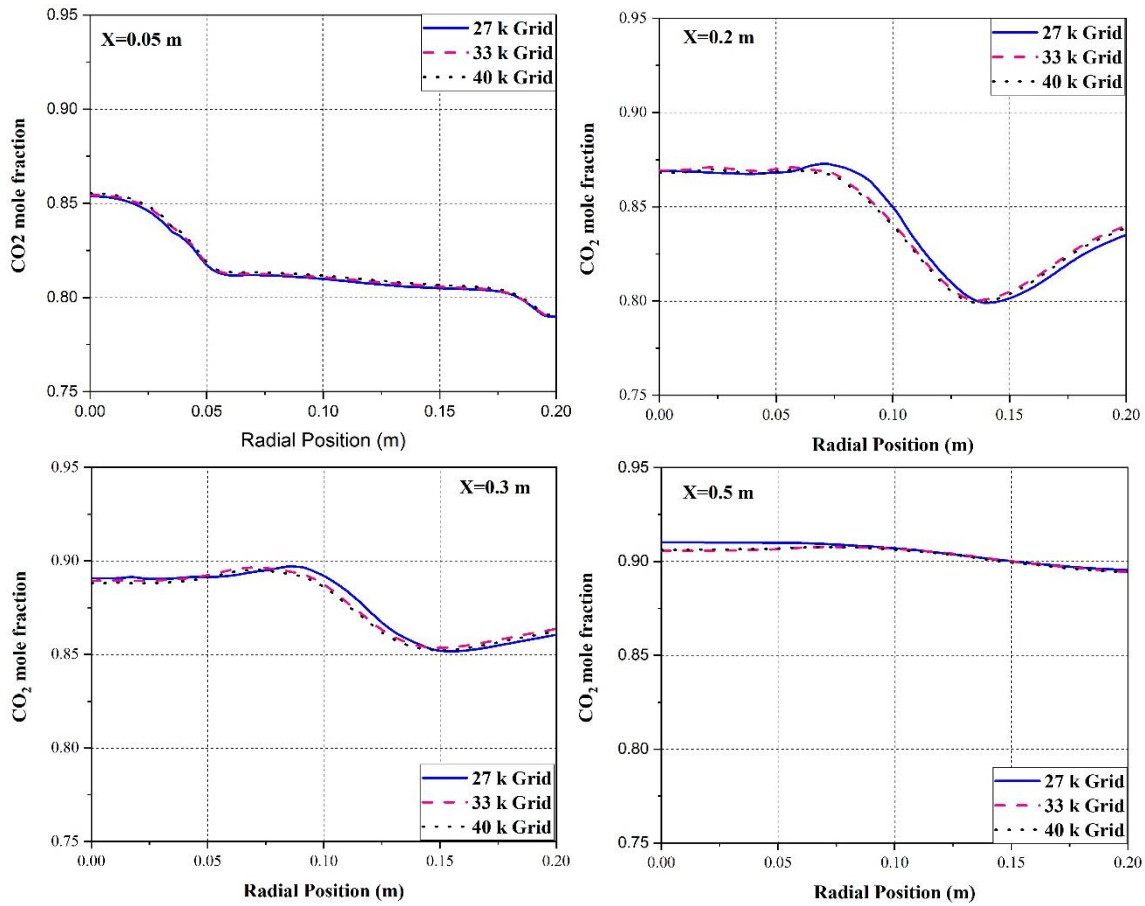


Fig. B4. Radial profile of CO₂ mole fraction at different axial location from burner exit for grid independence test

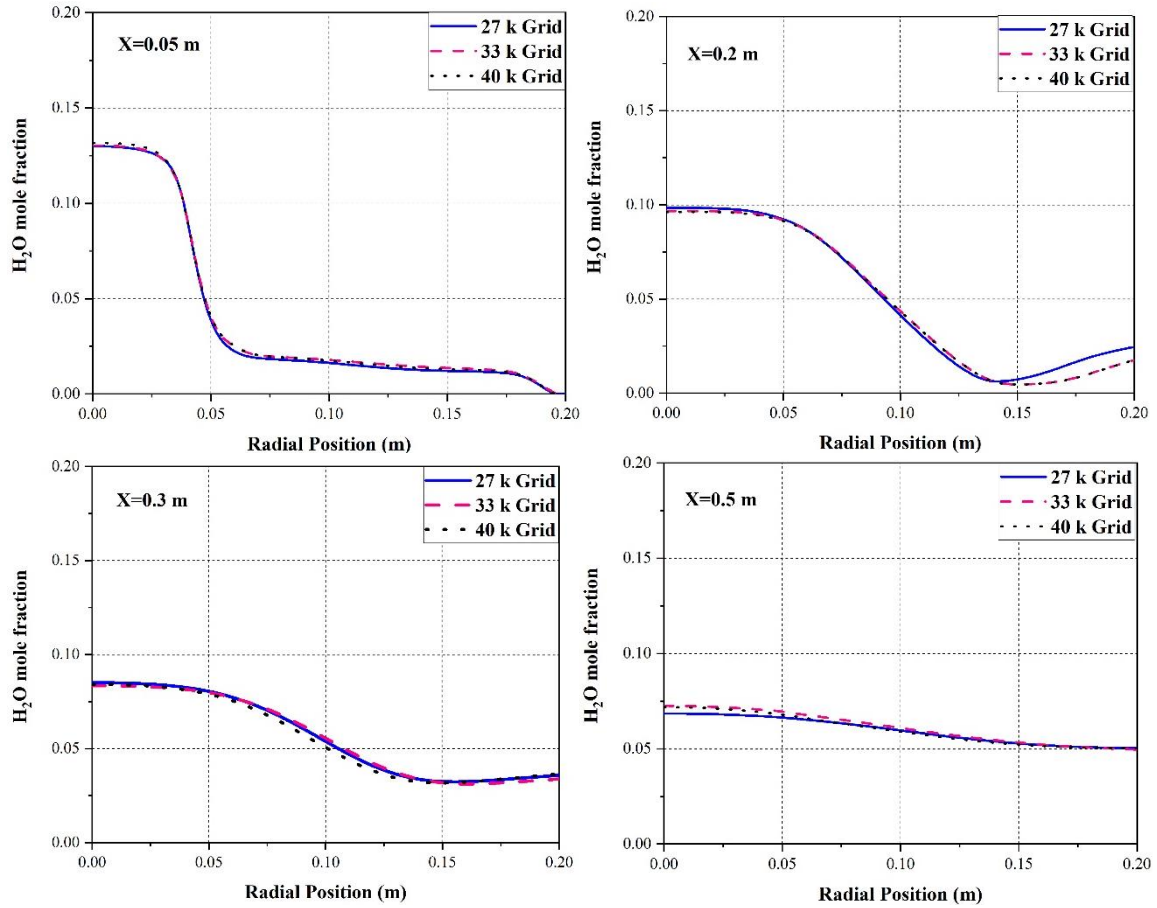


Fig. B5. Radial profile of H₂O mole fraction at different axial location from burner exit for grid independence test