Fig. 1. Composite Expansion of the Reynolds Stress; Re*=200, 500, 1000, 3000, 5000, 10000, 30000, 50000, 100000
Fig. 1. Composite Expansion of the Mean Velocity; Re*=200, 500,1000,3000,5000,10000,30000,50000,100000
Figure 3. Comparison of Experimental Data, Composite Expansion, and Power Law at Re* = 102,190.
Figure 4. Comparison of DNS Data, Composite Expansion, and Power Law at Re*= 180.
Pipe Flow Velocity Functions

Figure 6. Comparison of Composite Expansion —, Log Law — —, and Power Law ——— at \( \Re^* = 200, 1000, 10000, \text{and} \ 100000 \).

\[ y^+ = y u^*/\nu \]
Pipe Flow Velocity Functions

Figure 6. Comparison of Composite Expansion —, Log Law ——, and Power Law —— at $Re^* = 200$, 1000, 10000, and 100000. Linear Plot.
Figure 7. Test of Power Law for Boundary Layers. Data from Barenblatt et al. (1997) and (2000).