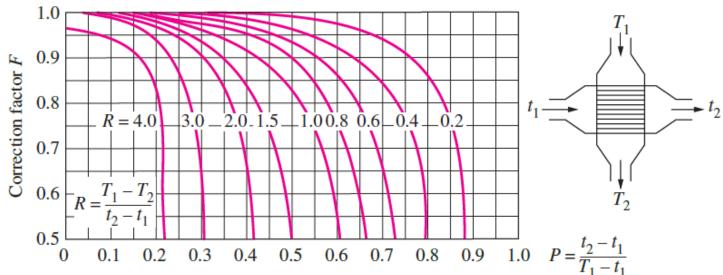


(c) Single-pass cross-flow with both fluids unmixed



(d) Single-pass cross-flow with one fluid mixed and the other unmixed

Figure 10.8

Correction factor *F* charts

for common shell-and-tube and cross-flow heat exchangers (from Bowman, Mueller, and Nagle, Ref. 2).

Extracted from Y.A. Cengel, "Heat Transfer: A Practical Approach", 2nd Edition.