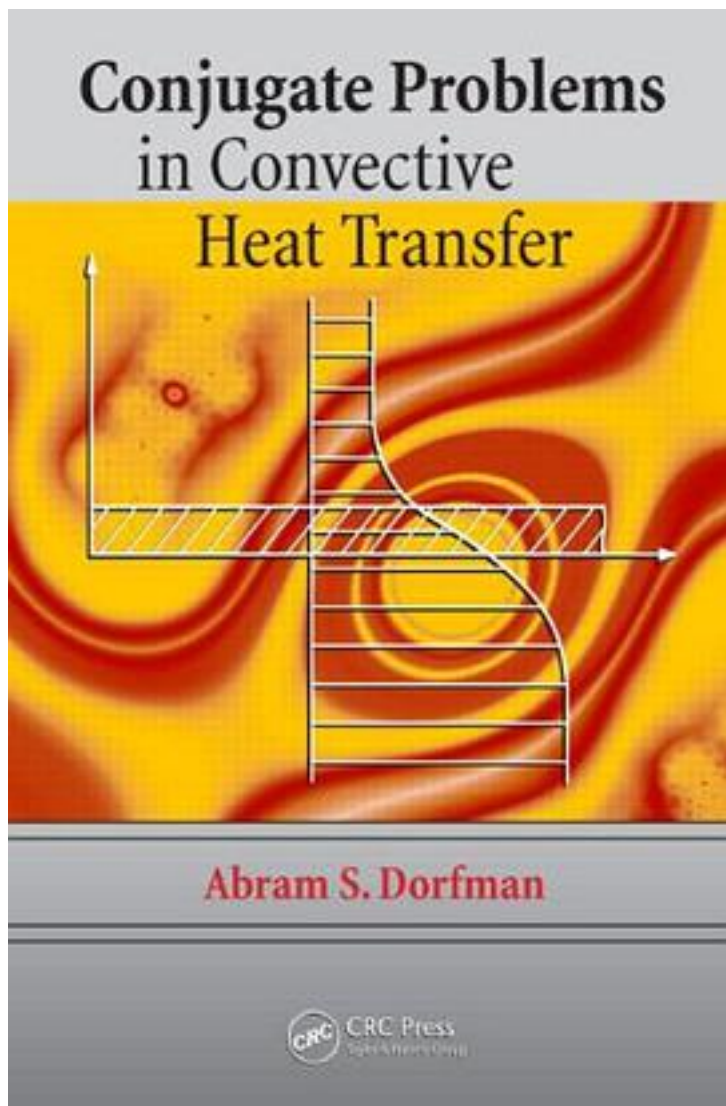# Conjugate Problems in Convective Heat Transfer

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The conjugate heat transfer(CHT) problem considers the thermal interaction between a body and fluid flowing over or through it, a key consideration in both mechanical and aerospace engineering. Bringing together information garnered from more than 200 publications, Abram Dorfman considers the approximate solutions of conjugate convective heat transfer problems as addressed in early and more recent works. He then discusses theory and modern modeling methods for solving analytical and numerical conjugate convective heat transfer problems. Finally he illustrates these complex mathematical problems by presenting current applications in machinery operation and technological processes.

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