

PART III
FREDHOLM OPERATORS: GENERAL THEORY AND
WIENER-HOPF INTEGRAL OPERATORS

This part presents an introduction to the general theory of Fredholm operators. It also contains elements of the theory of Wiener-Hopf integral operators. The latter are treated here as examples of Fredholm operators. A main part of the Wiener-Hopf theory developed in this part concerns systems of equations with a rational matrix symbol. This restriction allows one to include recent results which provide explicit formulas for the inverse and Fredholm characteristics.