

Werk

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Remark 5.2. Theorem 5.2 is a Fredholm type theorem for Fredholm-Stieltjes integral equations (5,6). Let us mention that Eq. (5,8) as well as the equation $\Phi - L\Phi = \Phi^\circ$ are not the adjoint equations to (5,6) in the usual sense. We have not a satisfactory description of the dual space V_n' to V_n which would make it possible to derive the analytic form of the adjoint operator K^* . Nevertheless conditions for solvability of Eq. (5,6) are obtained in a form which is closely related to the well known Fredholm alternative for Fredholm integral equations of the second kind in L_2 - spaces.

References

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