Valid F. SALMANOV

ON BIORTHOGONALITY OF TWO SYSTEMS OF FUNCTIONS

Abstract

In the paper the explicit form of biorthogonal system for the system of exponents $\left\{ e^{i[(n+\alpha_1)t+\beta(t)]}; e^{-i[(k+\alpha_2)t+\beta(t)]} \right\}_{n=0,k=1}^{\infty}$ is obtained, where

$$\beta(t) = \left\{ \begin{array}{ll} \beta_1, & -\pi < t < 0, \\ \beta_2, & -0 < t < \pi, \end{array} \right. \qquad \alpha_i, \beta_i \in R, \quad i = 1, 2$$

are real parameters.