## Abstract

Let  $\hat{u}_n = (u_n, a_n)$ , n = 1, 2, ... be some complete and minimal system of vectors in  $\mathcal{X} = \mathcal{X}_0 \oplus C^m$  and let  $\hat{\vartheta}_n = (\vartheta_n, b_n)$ , n = 1, 2, ... be corresponding biorthogonal system. N is a set of natural numbers,  $J = \{n_1, ..., n_m\} \subset N$  is some set of different and natural numbers,  $n_0 = N \setminus J$ ,  $b_n = (\beta_{n1}, ..., \beta_{nm})$ ,  $\delta =$  $\det \|\beta_{n_{k,i}}\|_{k,i=1}^m$ . In the present paper it is shown that in case of  $\delta = 0$  statement

on non-minimality of the system  $\{u_n\}_{n\in\mathbb{N}_0}$  in the space  $\mathcal{X}_0$ , in generally, is not true, and sufficient conditions are cited when this statement becomes true.