

ON CONDITIONS OF KELLEY TYPE OPTIMALITY
IN GOURSAT-DAUBOUX SYSTEMS

Abstract

The present paper is devoted to the investigation of optimality of singular controls in classical meaning and it is a continuation of the papers [1,2]. Here considering the general case of degeneration (an arbitrary rank of Legendre-Clebsh matrix) by means of modified variance of variation transformation method [3] the new proof of Kelley type condition is shown. The Legendre [5] polynomial is used as variation of controls at proving.