

**COMPACTNESS OF COMPLETE MAPPINGS AND  
ITS CONNECTIONS WITH VARIOUS KINDS OF  
NONCONNECTEDNESSES OF CONTINUOUS  
MAPPINGS***D. K. Musaev*

We give some necessary and sufficient conditions for compactness of tubularly (weakly)  $\Pi$ -complete and (weakly)  $\Pi$ -complete mappings that generalize compact mappings in the class of Tychonoff mappings and still have many important properties of compact mappings. We study the relationship between complete mappings and various types of non-connectednesses of continuous mappings.

*Key words and phrases:* tubularly (weakly)  $\Pi$ -complete mapping, tubularly ( $O$ - $C$ )-finite mapping, tubularly ( $O$ - $C$ )-compact mapping, (weakly)  $\Pi$ -complete mapping.

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