



Tensor Product (TP) Model Transformation and Applications

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Message from the Guest Editors

Dear Colleagues,

In mathematics, the tensor product (TP) model transformation is a key concept for higher-order singular value decomposition of functions. It transforms a function into TP function form if such a transformation is possible. If an exact transformation is not possible, then the method determines a TP function that is an approximation of the given function. Hence, TP model transformation can provide a trade-off between approximation accuracy and complexity.

In addition to being a transformation of functions, the TP model transformation is also a new concept in qLPV based control. Although it is a transformation in a mathematical sense, it has established a conceptually new direction in control theory and has laid the groundwork for further new approaches towards optimality.

This Special Issue provides a platform for researchers from academia and industry to present their novel and unpublished work in the domain of TP model transformation and applications. This will help to foster future research in emerging fields of TP model transformation and its related fields.





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Message from the Editor-in-Chief

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