

Title: Flexible solar panel deformation

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Based on the Kirchhoff theory and the constitutive relationship of composite laminates, a dynamic model of the multibody system is developed, taking into account the rigid ...

In this regard, this particular review paper seeks to provide a comprehensive and up-to-date examination of the current state of flexible solar panels ...

These flexible PV supports, characterized by their heightened sensitivity to wind loading, necessitate a thorough analysis of their static and dynamic responses.

In this paper, a new flexible hinge design is proposed for connecting multiple solar arrays, and its influence on the in-plane nonlinear dynamic characteristics of the array is ...

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