

# CMMA Monthly Seminar

## 第6回 CMMA 月例セミナー

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Abstract :

In this talk, the mechanical properties of the foldable structures and the appropriate application to mechanical devices are introduced.

The foldable designs that enable to change the shapes dramatically have been mainly applied to mechanical devices including space structures, architecture, robots, and medical devices to make them compact and portable. However, remarkable properties of the foldable structures are not only the compactness and portability. Thus, numerical computation was performed on each foldable design to disclose the further properties such as non-deformative motions, amplification mechanism and bi-stability of the shapes, and to propose the appropriate application to mechanical devices utilizing the properties such as pneumatic actuators, displacement amplifiers, and vibration isolators.

“Approach to Design of Mechanical Devices  
Using Foldable Structures”

※ 講演は日本語で行います。Japanese will be used in the lecture.

日時：2015年7月13日(月) 17:00-18:00

場所：明治大学 中野キャンパス高層棟6階 研究セミナー室3

主催：

文部科学省 共同利用・共同研究拠点  
明治大学先端数理科学インスティテュート  
現象数理学研究拠点 (CMMA)



■連絡先

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