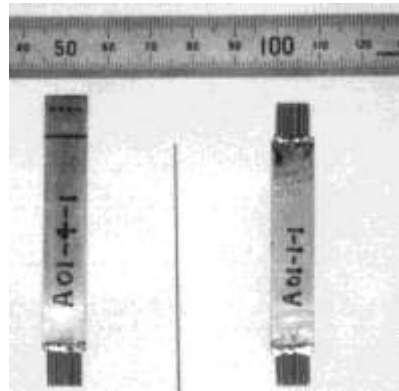


# FRMの機能特性の発現

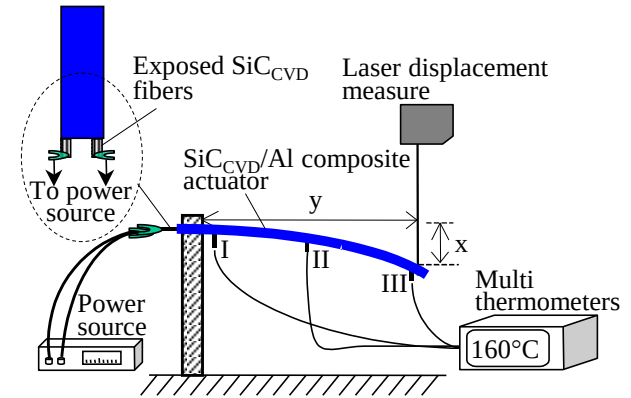
## ■通電加熱SiC/Alアクチュエータの開発



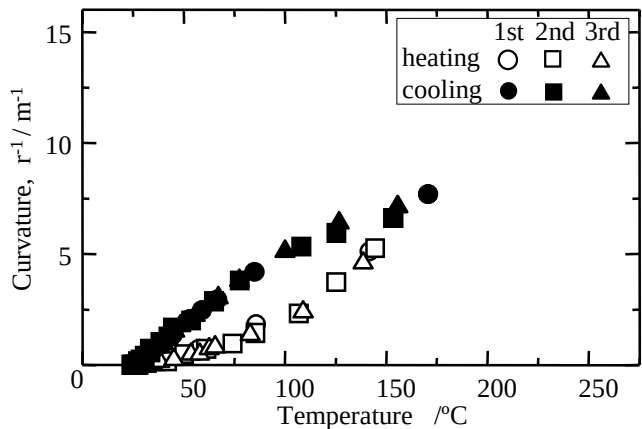
1-side heating

2-side heating

SiC/Al  
アクチュエータ



SiC/Alアクチュエータの機能評価



SiC/Al アクチュ  
エータの繰り返し  
作動時の曲率変化

**成果：**

- ・通電加熱アクチュエータの開発
- ・繊維強化複合材料の機能特性の発現に寄与

- 1) Yun Lu, Liang Hao, Fusheng Pan, Mitsuji Hirohashi: Improvement and function characteristics of SiC<sub>CVD</sub>/Al composite electric heating actuators, Advanced Materials Research, 567 (2012), 224-227.
- 2) Yun Lu, Mitsuji Hirohashi, Fusheng Pan: Development of electric heating actuators of fiber reinforced metal composite, Journal of Materials Science, 39 (2004), 969-973.