

Sensing microgripper with PID control

Phan Huu P., Nguyen V.Q., Chu Duc T., Sarro P.M.

Colege of Technology, Vietnam National University, Hanoi, Viet Nam; ECTM, DIMES, Delft University of Technology, Netherlands

Abstract: This paper presents a novel sensing microgripper based on silicon-polymer electrothermal actuators and piezoresistive force sensing cantilever beams which can be controlled by a PID controller to monitor the displacement of the microgripper jaws and also the contact force between the tips and the grabbed object. © 2008 IEEE.

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Authors with affiliations:

- Phan Huu, P., Colege of Technology, Vietnam National University, Hanoi, Viet Nam
- Nguyen, V.Q., Colege of Technology, Vietnam National University, Hanoi, Viet Nam
- Chu Duc, T., Colege of Technology, Vietnam National University, Hanoi, Viet Nam
- Sarro, P.M., ECTM, DIMES, Delft University of Technology, Netherlands

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