

Kōan 10: Passive walking and hopping on a comet

- The comet 67P/Churyumov-Gerasimenko has very low gravity, and can be modeled as a rough block of ice
- The Philae lander 'weighs' about the equivalent of 1 gram there
- Moving it has proven very difficult



- Think of a passive walker and/or hopper able to move safely there
- Is it possible?
- You may draw inspiration from: Mirko Kovač, Manuel Schlegel, Jean-Christophe Zufferey, and Dario Floreano. 2009. A miniature jumping robot with self-recovery capabilities. In *Proceedings of the 2009 IEEE/RSJ international conference on Intelligent robots and systems (IROS'09)*. IEEE Press, Piscataway, NJ, USA, 583-588. (the robot is in the picture)