"Spined" Springy Bot



Geert Folkertsma Louise Poubel Susanne Stadler







Springs

Springy bot legs

2. Movement



3. Parameters

- Spring stiffness (weak / strong / rigid spine)
- Center of mass
 - PCB (fixed / loose)
 - Battery (hip / center / off-bot)





Fixed spine

Elastic spine









5. Conclusions

- Fixed spine low resonance peaks
- Loose control board had a resonance frequency of 4.5Hz
- 3.3 Hz CPG frequency presented the best performance

6. 'Future work'

- Distance measurements
- Improve leg configuration (angle of attack)
- Improve motors control