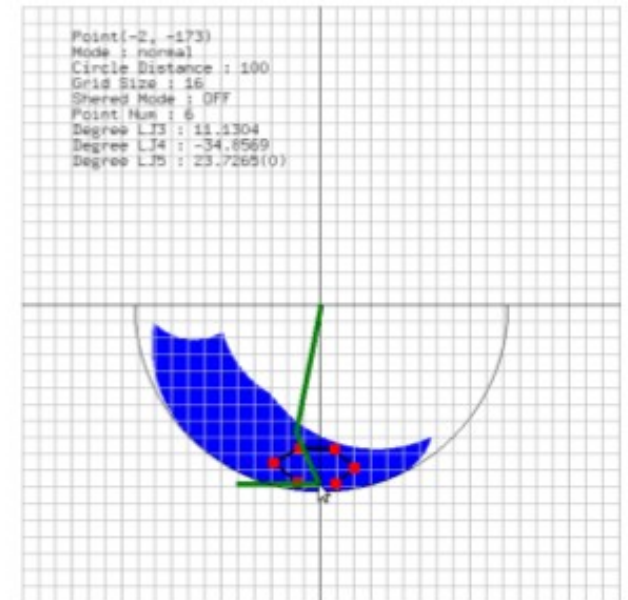


Improvement of Walking (FUT-K)

- Bipedal Locomotion (GA)
 - Genetic Algorithm (2013)
 - **Inverse Kinematics (2014)**
- Design of Bipedal Locomotion
 - Definition on an orbit of the ankle
 - Coordinating calculation of the ankle position
- **GUI Software “Locus Creator”**
 - Specifying the locus of the ankle visually



“Locus Creator”

	New forward movement [s]	Old forward movement [s]
1st try	21.3	28.7
2nd try	21.2	28.7
3rd try	21.5	28.7
Ave.	21.3	28.7