

University of Bologna
Artificial Intelligence

NAO Planning

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PLANNING OF THE CHOREOGRAPHY

- Initial position: Stand Init;
- An ".ogg" file is loaded and played in parallel with the Animation box;
- A set of positions are executed, both using the Pose Library and Timelines;
- Standing positions at the beginning, sitting ones at the end, thus saving time for the transition from one pose to another;
- Final position: Crouch.

NEW MOVEMENTS WITH TIMELINE

Timelines consists of a series of new positions drawn using the **Inspector window**, to specify the angular grade of each joint, and the **Behaviour Layer**, to decide the order and the duration of each position.

ARTISTIC CHOICES

First a single joint at a time is moved, then the movements of more joints together is combined, playing with the equilibrium of the robot, and mirroring the behaviour of left and right sides.