SIMULATION

- 1) Problem setup. What are the admissible values?
- 1.1 Definition of a and 30
- 1.3. Building the matrices

 M₁,..., M₆

 and

 A₁,A₂,A₃,B₁,B₂,B₃.
- 2) Net displacement to given control curve.
- 2.1 Implement a control curve 3
- 2.2 Calculate the net displacement

- 3) Optimal control curve to given net displacement.
- 3.1. Analysis of the net displacement:
- 3.1.1. Check whether w is simple 3.1.2. If it is simple, find decomposition.
- 3.1.3. If it is not simple, find decomposition into two simple bivectors (with orthog. pairs).
- 3.2. Computation in the simple case:
- 3.2.1. Calculate u, w with Gram-Schmidt
- 3.2.2. Calculate a, b with (5.40).
- 3.2.3. Construct the optimal control curve $\frac{3}{4}(t) := a \cos(t) + b \sin(t)$.
- 3.3. Computation in the non-simple case: 3.3.1 Calculate the ai, ai
- 3.3.2 Construct the optimal control curve $3*(t) = a_1 \cos(t) + a_1 \sin(t) + a_2 \cos(2t) + a_2 \sin(2t)$.