

Master-Thesis

Methodical Approach for Analyzing Process Variables and Optimizing Boundary Conditions in Multi-Axis Robot Programs

Status Update: 8 weeks left

25.12.2023 - 07.01.2024

Jan Nalivaika

Progress

Work in progress

Chapter 1 + Chapter 2 = Doppelt überarbeitet

Chapter 3 = Bessere Einleitung und verständlichere Formulierungen
= Viele Absätze zusammengefasst
= Bilder verbessert

Chapter 4 = Bilder verbessert
= Absätze

Chapter 5 = WIP
Abstract = WIP

Parameter → Variable

Methodical Approach for Analyzing Process Parameters and Optimizing Boundary Conditions in Multi-Axis Robot Programs

Methodischer Ansatz zur Analyse von Prozessparametern und Optimierung von Randbedingungen in Multi-Achs-Roboterprogrammen

process parameter is a fixed value == Randbedingung

process variable is a measurable quantity = Direction changers

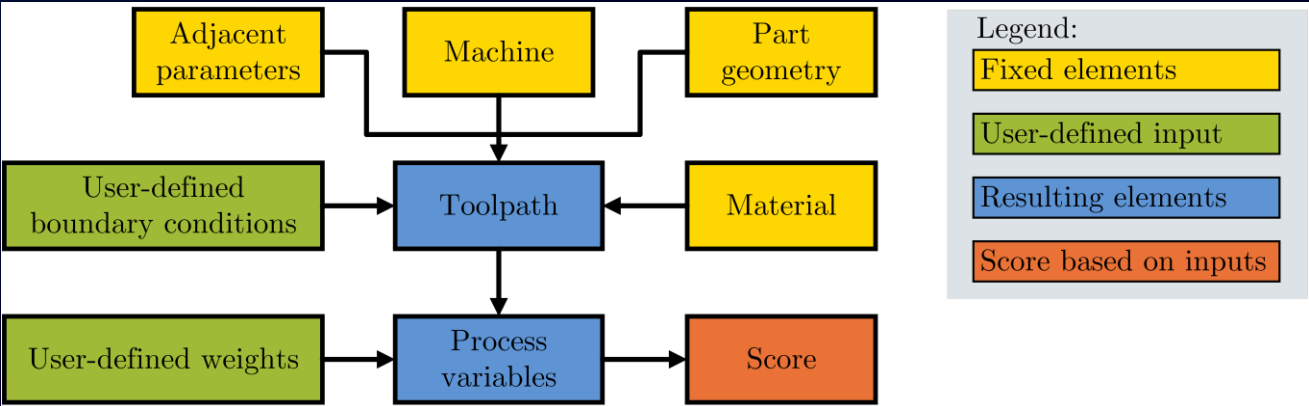
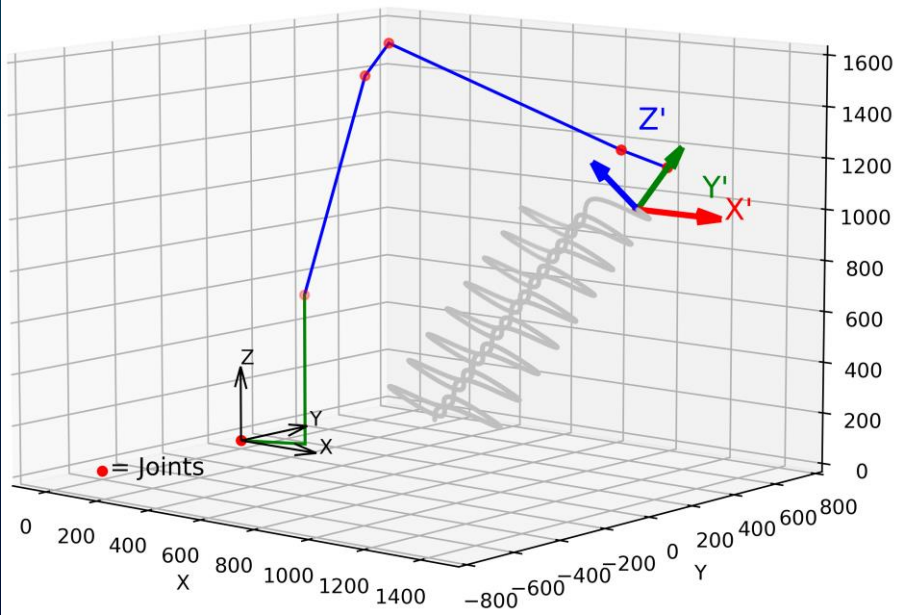
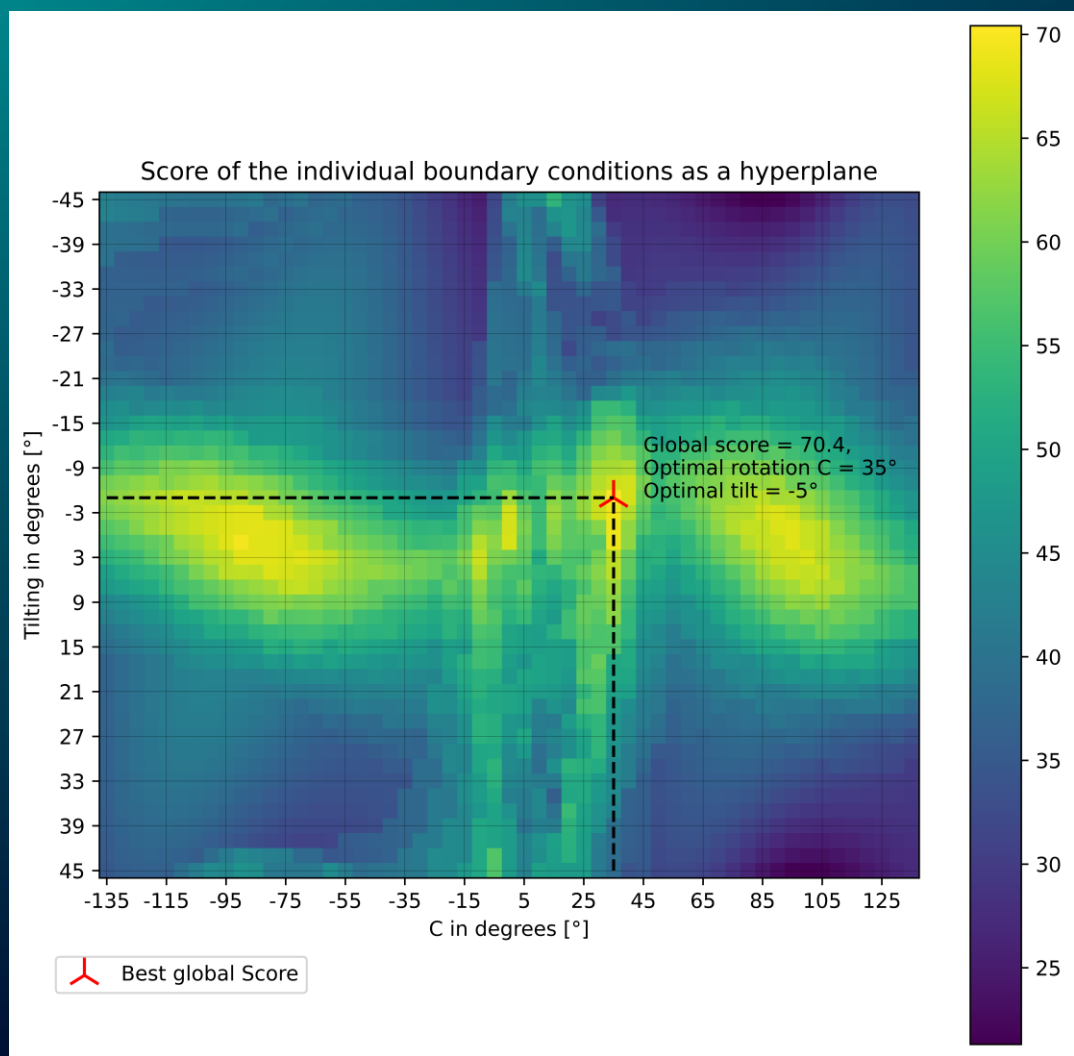


- Titel Änderung
- 1 Kleine Änderung in Aufgabenstellung
- Anpassung in Stand der Technik

Methodical Approach for Analyzing Process Variables and Optimizing Boundary Conditions in Multi-Axis Robot Programs

Methodischer Ansatz zur Analyse von Prozessvariablen und Optimierung von Randbedingungen in Multi-Achs-Roboterprogrammen

Images



To Do

Email: Titelanpassung ?

Finish Chapters:

- Boundary Condition Optimization
- Analysis of the Results
- Discussion of the Results
- Summary
- Abstract
- Outlook

Mittwoch an Ludwig und Marius 😊

Contact

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Christmas planning

DATE:	Ludwig	Marius	Jan
05.01			☺ (PDF update)
12.01			☺
19.01			X
26.01			X
02.02			☺
09.02			☺
16.02			☺
23.02	Last possible Changes in PDF		☺
01.03	Defense		☺

January						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
Phases of the Moon: 4:☾ 11:● 18:☾ 25:☉						
Holidays and Observances: 1: New Year's Day, 6: Epiphany (BW, BY, ST)						

February						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			
Phases of the Moon: 3:  9:  16:  24: 						
Holidays and Observances: 12: Shrove Monday, 13: Carnival Tuesday, 14: Carnival / Ash Wednesday, 14: Valentine's Day						

March						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
Phases of the Moon: 3:☾ 10:● 17:☾ 25:☾						
Holidays and Observances: 8: International Women's Day (Most regions), 24: Palm Sunday, 28: Maundy Thursday (All), 29: Good Friday, 30: Holy Saturday (Many regions), 31: Easter Sunday (Brandenburg)						