



DARWIN-OP INTRODUCTION [DASL-104]

WEEK 4 [Final Examination]

INSTRUCTOR: JEAN CHAGAS VAZ



Summary

Action Editor

Final Practical

Examination

References

- **Action Editor;**
 - **Overview;**
 - **Hands-On;**
- **Final Practical Examination;**
 - **Rules;**



Summary

Action Editor

Final Practical

Examination

References

➤ Action Editor;

- Overview;

The screenshot shows a motion sequence file with the following structure:

ID	Joint	Position	Speed	Accel	Link to Next	Link to Exit	Page Info
ID: 1	(R_SHO_PITCH)	3550	3550	3550	3550	3550	--- 55 int
ID: 2	(L_SHO_PITCH)	0511	0511	0511	0511	0511	--- 55 Page Number:0057
ID: 3	(R_SHO_ROLL)	1354	1870	1354	1870	1354	--- 55 Address:0x07200
ID: 4	(L_SHO_ROLL)	2693	2173	2693	2173	2693	--- 55 Play Count:001
ID: 5	(R_ELBOW)	1424	1424	1424	1424	1424	--- 55 Page Step:006
ID: 6	(L_ELBOW)	2637	2637	2637	2637	2637	--- 55 Page Speed:016
ID: 7	(R_HIP_YAW)	2047	2047	2047	2047	2047	--- 55 Accel Time:032
ID: 8	(L_HIP_YAW)	2047	2047	2047	2047	2047	--- 55 Link to Next:058
ID: 9	(R_HIP_ROLL)	2047	2047	2047	2047	2047	--- 55 Link to Exit:000
ID: 10	(L_HIP_ROLL)	2047	2047	2047	2047	2047	--- 55
ID: 11	(R_HIP_PITCH)	2080	2080	2080	2080	2080	--- 55
ID: 12	(L_HIP_PITCH)	2013	2013	2013	2013	2013	--- 55
ID: 13	(R_KNEE)	2047	2047	2047	2047	2047	--- 55
ID: 14	(L_KNEE)	2047	2047	2047	2047	2047	--- 55
ID: 15	(R_ANK_PITCH)	2063	2063	2063	2063	2063	--- 55
ID: 16	(L_ANK_PITCH)	2030	2030	2030	2030	2030	--- 55
ID: 17	(R_ANK_ROLL)	2047	2047	2047	2047	2047	--- 55
ID: 18	(L_ANK_ROLL)	2047	2047	2047	2047	2047	--- 55
ID: 19	(HEAD_PAN)	2147	2113	2080	2047	2013	--- 66
ID: 20	(HEAD_TILT)	2337	2337	2337	2337	2337	--- 66
PauseTime		[000]	000	000	000	000	000
Time(x 8msec)		[000]	050	050	050	050	050
		STP7	STP0	STP1	STP2	STP3	STP4
							STP6

Annotations in the image point to various fields:

- Current position of MX-28**: Points to the joint name (e.g., R_SHO_PITCH).
- Page motion data**: Points to the position, speed, and acceleration values.
- Page title**: Points to the page number (e.g., 55).
- Page number**: Points to the page number (e.g., 55).
- page address of file**: Points to the Address field.
- Number of times motion is executed**: Points to the Play Count field.
- Number of steps of current page**: Points to the Page Step field.
- Speeds for motion**: Points to the Page Speed field.
- Acceleration time**: Points to the Accel Time field.
- Next page**: Points to the Link to Next field.
- exit**: Points to the Link to Exit field.
- Pause time between steps**: Points to the PauseTime field.
- Time allowed for each step**: Points to the Time(x 8msec) field.

Source: <http://support.robotis.com>

Tuesday, April 18, 2017, 10:38

Summary

Action Editor

Final Practical

Examination

References

➤ Action Editor;

- Hands-On;





Summary

Action Editor

Final Practical
Examination

References

➤ **Final Practical Examination;**

- Rules;



Summary

Action Editor

Final Practical

Examination

References

- http://support.robotis.com/en/product/darwin-op/development/tools/action_editor.htm