

An Intelligent Interactive Design System for Greener and Customer-Centred Ship Design

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APPENDIX 4

Table: Results of the interactive process for each subject in the user-study.

Interaction	Subjects	1	2	3	4	5	6	7	8	9	10
	Initial Designs (N)	15	25	17	10	10	25	21	15	20	17
$T = 1$	Design Selected	8	24, 7	3	1	9	20	9	8	9	15
	λ	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.5	0.3
	N^1	10	10	17	13	10	5	21	15	20	17
$T = 2$	Design Selected	7	19	1	4	8	1	15	10	6	2
	λ	0.5	0.5	0.5	0.8	0.5	0.5	0.8	0.8	0.3	0.5
	N^2	7	10	10	6	10	10	21	15	20	17
$T = 3$	Design Selected	3	1	4	1, 2	5	1	8	9	12	15
	λ	0.5	0.5	0.5	0.8	0.7	0.9	1.0	-	0.3	0.6
	N^3	5	5	5	3	10	5	21	-	15	20
$T = 4$	Design Selected	3	2	1	3	6	1	15	-	13	9
	λ	0.5	0.5	1.0	1.0	0.9	-	-	-	-	0.6
	N^4	5	5	5	6	20	-	-	-	-	20
$T = 5$	Design Selected	2	2	4	4	7	-	-	-	-	2
	λ	-	-	1.0	-	0.9	-	-	-	-	0.8
	N^5	-	-	3	-	5	-	-	-	-	20
$T = 6$	Design Selected	-	-	3	-	1	-	-	-	-	2
	λ	-	-	-	-	-	-	-	-	-	1.0
	N^6	-	-	-	-	-	-	-	-	-	20
$T = 7$	Design Selected	-	-	-	-	-	-	-	-	-	3
	λ	-	-	-	-	-	-	-	-	-	-
	N^7	-	-	-	-	-	-	-	-	-	-