

Appendix 6. Evaluation of the combination of static visual variables for users of different age groups

Number of		COMBINATIONS OF VARIABLES																
items	variables																	
0	4	1 2 3 4 α β γ [1] [2] [3] [4] [5] [6] [7] [8]																
1	4	1 2 3 4 ab, ac, βb, βc, γb, γc [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 aa, γa βb, βc, γb, γc [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 ab, ac βb, βc γb, γc [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 aa, βa, γa [1] [2] [3] [4] [5] [6] [7] [8]													
1	5	1 2 3 4 5 βa, βb, γa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 6	1 2 3 4 7 aa, ab, βa, βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8 aa, ab βa, βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 9 aa, ab ac [1] [2] [3] [4] [5] [6] [7] [8]												
2	4	1 2 3 4	1 2 3 4 ab βb, βc γb, γc [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4	1 2 3 4	1 2 3 4 aa, γa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4											
2	5	1 2 3 4 5 βb, [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 6	1 2 3 4 7 ab, βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8 ab, βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 9 ab, ac [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 5 γa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 6	1 2 3 4 7 aa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8 aa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 9 aa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 5 βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 6	1 2 3 4 7 ab, βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8 aa, ab, βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 9 ab, ac [1] [2] [3] [4] [5] [6] [7] [8]		
2	5	1 2 3 4 5 βa, γa [1] [3] [4] [5] [6] [7] [8]	1 2 3 4 6	1 2 3 4 7 aa, βa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8 aa, βa [1] [3] [4] [5] [6] [7] [8]	1 2 3 4 9 aa [1] [3] [4] [5] [6] [7] [8]												
2	6	1 2 3 4 5 6	1 2 3 4 5 7 βa, βb, [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 5 8 βa, βb, [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 5 9	1 2 3 4 6 7	1 2 3 4 6 8	1 2 3 4 6 9	1 2 3 4 7 8 aa, βa, βb, [1] [2] [3] [4] [6] [7] [8]	1 2 3 4 7 9 ab [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8 9 aa, ob [1] [2] [3] [4] [5] [6] [7] [8]							
3	4	1 2 3 4	1 2 3 4	1 2 3 4 βc ⊕ ⊖ ⊖ [1] [2] [3] [4] [5] [6] [8]	1 2 3 4													
3	5	1 2 3 4 5	1 2 3 4 6	1 2 3 4 7	1 2 3 4 8	1 2 3 4 9 ab, ac [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 5 βb (1) [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 6	1 2 3 4 7 βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8 ab, βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 9 ab, ac (1) [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 5 βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 6	1 2 3 4 7 βb [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8	1 2 3 9		
3	5	1 2 3 4 5	1 2 3 4 6	1 2 3 4 7	1 2 3 4 8	1 2 3 4 9	1 2 3 4 5 γa (1) [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 6	1 2 3 4 7 aa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 8 aa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 9 aa [1] [2] [3] [4] [5] [6] [7] [8]	1 2 3 4 5	1 2 3 4 6	1 2 3 4 7	1 2 3 4 8	1 2 3 4 9 ab, ac (1) [2] [3] [4] [5] [6] [7] [8]		

5	5	<u>12345</u>	<u>12346</u>	<u>12347</u>	<u>12348</u>	<u>12349</u>										
5	6	123456	123456	123456	123457	123457	123457	123458	123458	123458	123467	123467	123468	123468	123468	
		123469	123469	123469	123459	123459	123459	123456	123457	123458	123459	123467	123468	123469	123478	
		123478	123478	123478	123478	123479	123479	123479								
5	7	1234567	1234678	1234578	1234568	1234567	1234678	12345	1234568	1234567	1234678	1234578	1234568	1234567	1234678	1234578
		1234568	1234567	1234678	1234578Ba (1) (2) (3) [4] [5] [6] [7] (8)	1234568	1234567	1234678	1234578	1234568	1234569	1234679	1234579	1234589	1234569	1234679
		1234579	1234589	1234569	1234579	1234589	1234569	1234579	1234589	1234569	1234579	1234589				

Key

Static visual variables

1 size; 2 form; 3 value; 4 colour; 5 grain; 6 orientation; 7 brilliance; 8 transparency; 9 aura; variables employed to show the phenomena are underlined

Entities / measurement levels

α point entities; β line entities; γ area entities;

a - nominal scale measurable entities; b - ordinary scale measurable entities; c - quantitative scale measurable entities

Age groups

[1] [2] [3] [4] [5] [6] [7] - correct combination of variables for labelled age groups

{1} {2} {3} {4} {5} {6} {7} {8} conditional combination of variables for labelled age groups

Correct combination

Combination inaccessible due to the absence of *colour* in the case of achromatic e-papers

Combination inaccessible due to the absence of *aura* in the case of part of chromatic e-papers

Combination inaccessible due to the absence of *colour* and *aura* in the case of achromatic e-papers