

Supplementary Table
Some features of the examples in this paper and in reference R21

Ex #	Example	Measure(s)	Factors	Module Type(s)	Measure Type(s)	References
3.1 SM-2	Parallel modules for encoding two stimulus features	LRP Go-NoGo divergence	GND MC	N	Pd Pd	R1 sm167
3.2	Serial modules for preparing two response features	LRP RT	SQ Complexity	N M	Pt C(sum)	R2 sm226
4.3 SM-10	Selective effect of sleep deprivation	RT	SQ MF SLP	M	C(sum)	R3 sm206 sm237
5 SM-3	Sensory and decision modules (pigeon)	d-prime Criterion	Luminance RR	M	Pd Pd	R4 sm172 sm228
6.3	Number encoding and comparison	fMRI RT	Numeral vs. name Numerical proximity	N M	Pt C(sum)	R5 —
6.4	Modules for stimulus encoding and response selection	fMRI RT	SQ MC	N M??	Pt,C(sum) C(sum)	R6 —
6.5	Scene Perception	fMRIa RT	View/Place x Long/Short term	N M	C(sum) C(sum)	R7 —
8.1	Perceptual Separability	fMRIa	Two perceptual dimensions	N	C(sum)	R8 —
8.2 SM-7	Evidence for modular spatial-frequency analyzers from 'probability summation' in detection	1-Pr{detect}	High-freq contrast Low-freq contrast	M	C(mult)	R9 sm191 sm235
8.3	Three modules in lexical decision	Pr{Correct}	Legibility Frequency Semantic Congruence	M	C(mult)	R10 —
8.4 SM-8	Evidence from ERP amplitude for modules	ERP (by location)	Relatedness Satiation	N	C(sum)	R11 sm196
9.1	Tactile perception (Task Comparison, not Process Decomposition)	Subjective magnitude	Dot spacing rTMS Task	?	?	R12 —
10.2	Visual conjunction search (Incomplete design)	RT	TMS	?	?	R13 —
10.3	Number comparison (Incomplete design & analysis)	RT	Numerical proximity rTMS	?	?	R14 —
10.4	Number comparison (Incomplete design)	RT	Numerical proximity rTMS	?	?	R15 —
SM-1	Isolation of a timing module (rat)	Peak rate Peak time	Food time Food prob.	M	Pd Pd	R16 sm164
SM-4	Evidence for modular spatial-frequency analyzers from selective adaptation	High-freq threshold Low-freq threshold	High-freq adaptation Low-freq adaptation	M	Pt Pt	R17 sm179 sm229
SM-5	Serial neural modules	Latency of spike rate increase	S-R Mapping	N	Pt,C(sum)	R18 sm182 sm231
SM-9	Modular processes for learning and motivation (rat)	Response rate	Deprivation hrs. Food freq.	M	C(mult)	R19 sm200 R20 sm236

Module Types: M = Mental, N = Neural.

Measures:

Pt = Pure & Direct;

Pd = Pure & Derived;

C = Composite, with combination rule (summation or multiplication) indicated.

smXXX are starting page numbers and SM-X are example numbers in reference R21.

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