Parallel extraction of summary information across multi-element arrays (Agenda)	5

Experiment 1 (S-VSs)

Variables

Experiment

19th November, 2012 - 10 subjects

ANOVA performance

Significant effect for mean (p<0.000).

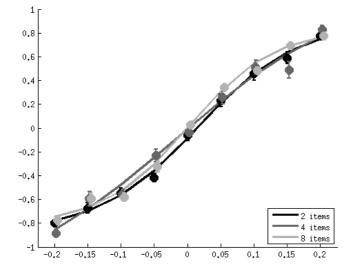
Significant effect for variance (p<0.022).

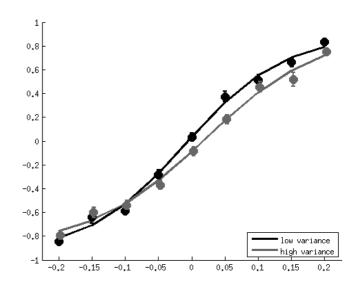
ANOVA response

No effects.

ANOVA reaction times

No effects.





Experiment 2 (B-VSs)

Variables

Experiment

26th November, 2012 - 16 subjects

ANOVA performance

Significant effect for mean (p<0.000).

Significant effect for setsize (p<0.001).

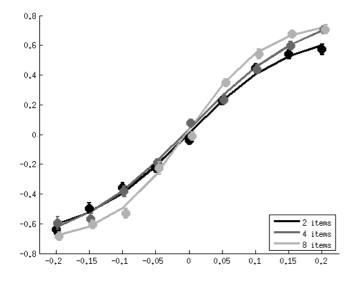
Non-significant interaction between mean and variance (p<0.059).

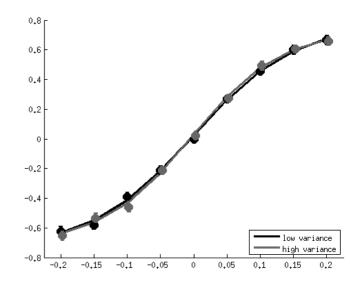
ANOVA response

No effects.

ANOVA reaction times

No effects.





Experiment 3 (S-TSs)

Variables

Experiment

21th January, 2013 - 10 subjects

ANOVA performance

Significant effect for mean (p<0.000).

Significant effect for setsize (p<0.019) — though only for setsize 1? Significant effect for timing (p<0.007).

ANOVA |error|

Significant effect for mean (p<0.000).

Significant effect for setsize (p<0.000) — though only for setsize 1? Significant interaction between mean and setsize (p<0.000). Significant effect for timing (p<0.010).

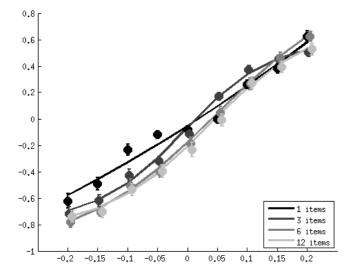
ANOVA response

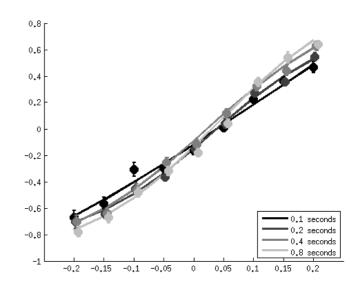
Significant effect for mean (p<0.000).

Non-significant interaction between mean and setsize (p<0.061). Non-significant interaction between mean and timing (p<0.025).

ANOVA reaction times

Non-significant effect for timing (p<0.057).





Experiment 4 (S-spectrumTSs)

Variables

```
experiment.task = 'shape';
experiment.spectrum = 1;
variables.setsizes = [1,3,6,12];
variables.timings = [.05,.1,.2,.4];
variables.variances = .15;
variables.means = -.2:.05:.2;
variables.counters = 1:15;
```

Experiment

13th February, 2013 - 5 subjects

ANOVA performance

No effects.

ANOVA |error|

Non-significant effect for setsize (p<0.062).

ANOVA response

Significant effect for mean (p<0.012). Non-significant effect for setsize (p<0.065).

ANOVA reaction times

No effects.

