
1) In the introduction, the authors refer to an “oversimplified” model to explain variance of reaction times of subjects to a simple task. What are the elements in this model?

2) What were the key results from the Dunlap (1910) study?

3) Different muscle groups appear to have different rate limits as to how fast they can physically move. What do the authors speculate is the reason for this?

4) List the 4 predictions related to subjects and subject performance on tasks.

5) Bonus: Derive equation 1 (ie, standard deviation = I/sqrt(12)).

6) Bonus: What is Weber’s law?

7) Explain the methodology used in “Preliminary Measures”.

8) What was the outcome of the preliminary tests?

9) Describe, in general terms, the changes made to the device used in the section “Explorations of interval, motor mode, and sensory effects”.

10) Explain the preliminary experiments done with the new device and what conclusions can be drawn from them.

11) Describe the methods used for “Factorial experiment on motor mode” and what the results were.

12) Describe the methods used for “Interval between signals and sensory-motor mode” and what the results were.

13) Describe the methods used in “Intermediate intervals: Comparison of visual and auditory signals.” What are the results of this study?

14) Record all of the intervals used in the second to last study and convert them to frequency in Hz. Likewise, record all the frequencies given in the last study and convert those into time intervals.

15) How do you think this paper relevant to the VIP project?