



Students' Perceptions of Physics Experimental Measurements

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Abstract. This study explored secondary Physics students' perceptions of measurement under the data collection, data processing and data set comparison phases of an experiment. The framework of the study was based on Allie *et al.* (1998) which classifies views of measurement as point paradigm or set paradigm. The point paradigm is characterized by a students' preference to merely choose a data point as representative value of a set of measurements. On the other hand, the set paradigm is exemplified by the computation of the average as the representative value of the set of measurements.

The most common perceptions of the students on measurement were probed using