AUTOMATION OF CREEP COMPLIANCE EXPERIMENTS

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In this work the characteristics and mode of operation of a hardware and software system developed for the automation of CREEP COMPLIANCE experiments are described. The basic hardware includes a personal computer and a 12 bit resolution data acquisition board. The implemented software allows for the input of information regarding the experiment and the manner it is performed, it collects the data generated during the experiment, and permits its presentation during the experiment in "real time" generating graphs once the experiment has been carried out. The software also creates files containing the experiment data for future analysis.