

Development of Laboratories for Masonry Testing and Non-Destructive Evaluation

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Abstract:

Laboratory experiments are valuable to students, and viewing a web-based presentation of such laboratory experiments is a way for students to glean some of the benefits of laboratory experiments. As such, a broad range of media forms have been used to create a website to explain traditional masonry material tests and state-of-the art nondestructive testing methods. Future engineers are better prepared to design masonry systems when exposed to masonry construction, test methods or field investigations. Non-destructive evaluation (NDE) methods used in masonry are introduced by performing flatjack testing on an existing building at the University of Wyoming. The website is intended to be used in conjunction with existing masonry courses and laboratory programs or to provide guided independent study to engineering students.

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