



Non-Destructive Testing for Concrete Structure

Associate Professor Takeshi, Watanabe

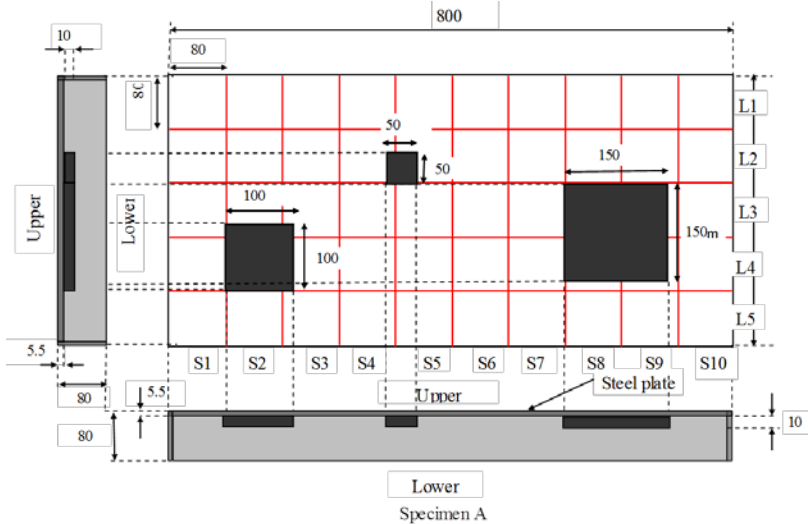


Fig.1 Specimen of steel-concrete composite

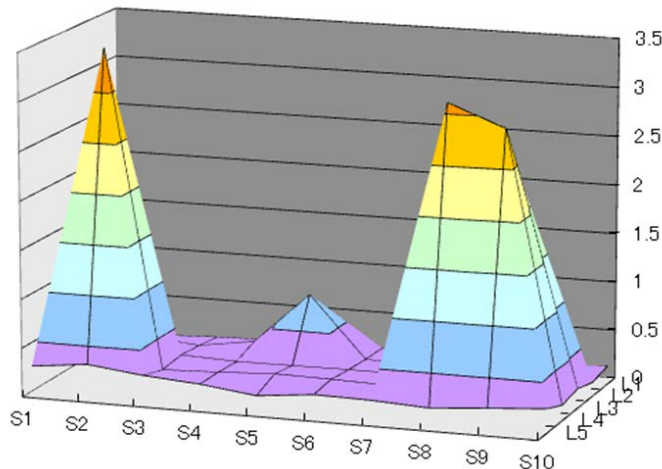


Fig.2 Visualization of defect in the specimen

Content:

Maintenance of concrete structure is important for civil engineering. Non-destructive test is powerful tool to identify defect and damage of structure. In addition, there are increasing hybrid structure and repaired structure. Non-destructive test is expected to evaluate condition of the structures.

Recently, recycle concrete and self-healing concrete are studied. For clarifying quality of these concrete, we try to use nondestructive method.

Our laboratory results are shown as follow,

- PC grout condition
- Detection of defect in steel-concrete composite by Impact test
- Check rebar corrosion condition by UT
- Evaluation of self-healing effect of fly-ash concrete by UT

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E-mail: <t_watanabe@tokushima-u.ac.jp>

Tel. <+81-88-656-7320>

Fax: <+81-88-656-7351>

