



東京大学
生産技術研究所
Institute of Industrial Science,
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KISHI LAB.



東京大学大学院
工学系研究科

[Physical properties of concrete and durability of concrete structure]

Institute of Industrial Science

Department of Human & Social Systems

Concrete & Recycling Engineering

http://wdnsword.iis.u-tokyo.ac.jp/index_e.shtml

Dept. of Civil Eng.

We research on (1) physical property, performance assessment, deterioration mechanism of cementitious materials, (2) development and practical application of new material and (3) quality inspection / maintenance of concrete structure.

Study on

- Stagnation mechanism of chloride ingress
- New durability/maintenance design frame based on combination evaluation of liquid water penetration and neutralization
- Regularity of flow based on velocity profiles in coaxial cylinders
- Mechanism of water flow reduction due to the existence of air-water interface in crack
- Relationship between initial curing and long-term durability of concrete structure
- Development of self-healing technology of concrete crack

