

<<DL/T5332 - 2005 水工混凝>>

图书基本信息

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## 前言

This Standard is prepared by requirement of "Notice on Printing the Development and Revision Plan of Professional Standards" ( Document 739, General Office of the National Development and Reform Commission [2005] ). The fracture toughness of concrete is a vital parameter for stability evaluation of crack propagation, crack resistance and anti-cracking designs of hydraulic concrete structure. Hence it is necessary to prepare a standard to specify the test methods for fracture toughness of concrete. This Standard is prepared based on test data about concrete fracture collected in the world, conducting a lot of parallel tests, referring to the fracture test standards of other countries, holding technical workshop and discussions focusing on this field, and conducting calculation and theoretical analyses. This Standard specifies the requirements of wedge splitting method and three-point bending beam method. When both of the test methods are employed simultaneously and result in discrepancies, three-point bending beam method shall prevail. Appendix D of this Standard is normative; Appendix A, B, C and E are informative. This Standard is proposed by China Electricity Council. This Standard is under the jurisdiction and the explanation of the Technical Committee of Standardization for Hydropower Construction of Electric Power Industry. Chief drafting organization: Hohai University.

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内容概要

This Standard is prepared by requirement of "Notice on Printing the Development and Revision Plan of Professional Standards" ( Document 739 , General Office of the National Development and Reform Commission [2005] ) . The fracture toughness of concrete is a vital parameter for stability evaluation of crack propagation , crack resistance and anti-cracking designs of hydraulic concrete structure. Hence it is necessary to prepare a standard to specify the test methods for fracture toughness of concrete. This Standard is prepared based on test data about concrete fracture collected in the world , conducting a lot of parallel tests , referring to the fracture test standards of other countries , holding technical workshop and discussions focusing on this field , and conducting calculation and theoretical analyses. This Standard specifies the requirements of wedge splitting method and three-point bending beam method. When both of the test methods are employed simultaneously and result in discrepancies , three-point bending beam method shall prevail. Appendix D of this Standard is normative ; Appendix A , B , C and E are informative. This Standard is proposed by China Electricity Council. This Standard is under the jurisdiction and the explanation of the Technical Committee of Standardization for Hydropower Construction of Electric Power Industry. Chief drafting organization : Hohai University.

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