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EFFECTS OF AGGREGATE TYPE, SIZE, AND CONTENT ON CONCRETE STRENGTH AND FRACTURE ENERGY By Rozalija Kozul David Darwin A Report on Research Sponsored by THE NATIONAL SCIENCE FOUNDATION

EFFECTS OF AGGREGATE TYPE, SIZE, AND CONTENT ON CONCRETE

CONTROL OF CRACKING IN CONCRETE STRUCTURES 224R-3 represents the stress field ahead of a sharp crack in a structural member which is a function of the crack geometry and

224R-01 Control of Cracking in Concrete Structures

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Hydraulic fracturing - Wikipedia

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In continuum mechanics, stress is a physical quantity that expresses the internal forces that neighbouring particles of a continuous material exert on each other, while strain is the measure of the deformation of the material. For example, when a solid vertical bar is supporting an overhead weight, each particle in the bar

pushes on the particles immediately below it.

Stress (mechanics) - Wikipedia

The use of discrete fracture networks for modelling coupled geomechanical and hydrological behaviour of fractured rocks

The use of discrete fracture networks for modelling

1.1 Bond strength between concretes of different ages. Dimensional compatibility between concrete from repair and substrate is related to the ability of recovery material to distribute tensions at the contact surface, which are caused by different deformations of materials, without detachment or cracking in repair layer, after Li & Li []. The lack of dimensional compatibility is cited as one of ...

Bond strength between steel-concrete and between concretes

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