

Mechanical behavior of materials - proceedings of the 1973 Symposium on Mechanical Behavior of Materials ; Kyoto, August 21-23, 1973

Society of Materials Science, Japan - IUTAM Symposium on Mechanical Properties of Cellular Materials



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Journal of the Mechanical Behavior of Biomedical Materials

A series of chrome gold films with various thicknesses were prepared on silicon substrate.

IUTAM Symposium on Mechanical Properties of Cellular Materials

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Mechanical behavior of materials

Next, the absence of specific constitutive models for 1080 steel and VascoMax 300 which are the materials of interest in the HHSTT gouging problem is addressed with Split Hopkinson Bar characterization.

Fatigue of materials II : advances and emergences in understanding : proceedings of a symposium sponsored by Mechanical Behavior Committee of the Minerals, Metals & Materials Society (TMS) and ASM International held during Materials Science & Technology 2012 (MS & T '12) October 7

Other papers are on the influence of thermal aging on the creep crack growth behavior of a Cr-Mo steel, the effect of cyclic loading on the fracture toughness of a modified 4340 steel, and the effects of hot rolling condition and boron microalloying on phase transformation and microstructure in niobium-bearing interstitial free steel.

Investigations on mechanical behavior of Al7075

Additionally, the various material contact schemes in CTH are evaluated to determine the most accurate approach in the gouging impact problem. To ensure that the student gains a thorough understanding the authors present the fundamental mechanisms that operate at micro and nanometer level across a widerange of materials, in a way that is mathematically simple and requires no extensive knowledge of materials. The aim of this paper was to investigate the tensile and flexural properties of hybrid laminates made with titanium sheets and high modulus carbon fiber composites.

Mechanical Behaviour of Materials

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