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NASA TECHNICAL REPORTS SERVER (NTRS) - DAMPING STRUCTURAL ...

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abstract: report presents study of proposed use of shape-memory-metal components to damp vibrations in structures as diverse as buildings, bridges ...

STRUCTURAL VIBRATION CONTROL BY SHAPE MEMORY ALLOY DAMPER ...

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structural vibration control by shape memory ... cable vibration mitigation using shape memory alloy ... shape memory alloy braces, journal of structural ...

RESEARCHES ABOUT STRUCTURES EXPOSED TO VIBRATIONS ...

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researches about structures exposed to vibrations reinforced with shape memory alloy bracings daniel amariei, gilbert rainer gillich, ion vela, ionica negru, cornel ...

DAMPING WITH SHAPE MEMORY.. - RESEARCHGATE

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damping with shape memory alloys for structural ... where we introduce a viscous damping force of the steel cantilever ... damping with shape memory alloys for ...

RECENTERING SHAPE MEMORY ALLOY PASSIVE DAMPER FOR ...

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mathematical problems in engineering is a ... overall structural vibration ... stay cable with one shape memory alloy damper," structural control and ...

THE HIGH DAMPING CAPACITY OF SHAPE MEMORY ALLOYS

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the high damping capacity of shape memory ... (high damping metals). shape memory alloys are gaining an ... this damping ability when applied in structural

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shape memory alloy ... passive vibration damping; structural rehabilitation; 1. ... mechanical behaviour of shape memory alloys for seismic applications 2: ...

DAMPING, TENSILE, AND IMPACT PROPERTIES OF SUPERELASTIC ...

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... and impact properties of superelastic shape memory alloy ... actuators to control shape, stiffness, and vibration damping. ... structural dynamics and ...

APPLICATIONS OF SHAPE MEMORY ALLOYS IN STRUCTURAL ENGINEERING

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applications of shape memory alloys in structural engineering ... shape memory alloy engineering ... applications of shape memory alloys in structural engineering ...

STRUCTURAL VIBRATION CONTROL BY SHAPE MEMORY ALLOY DAMPER ...

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structural vibration control by shape memory alloy ... structural vibration control by shape memory alloy ... is deformed by the structural vibration, ...

181984297 REVIEW OF SHAPE MEMORY ALLOY AS DAMPING ... - ISSUU

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issuu is a digital publishing platform ... review of shape memory alloy as damping material for vibration ... a specific absorption of the structural vibrations by ...

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SIMULATION OF THE DAMPING OF A SHAPE MEMORY ALLOY ROD BY ...

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simulation of the damping of a shape memory alloy rod by ... in this paper vibration damping of a shape memory alloy rod is ... basis for structural vibration ...

SHAPE MEMORY ALLOY CABLES FOR STRUCTURAL APPLICATIONS ...

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shape memory alloy cables for structural ... sma wires are effective in damping the vibrations of the stayed cables ... of shape memory alloy ...

EFFECT OF INTRINSIC DAMPING ON VIBRATION TRANSMISSIBILITY ...

Wed, 17 May 2017 16:45:00 GMT

effect of intrinsic damping on vibration transmissibility of nickel-titanium shape memory alloy springs ... by steel (or other low damping structural metal) ...

PATENT US6796408 - METHOD FOR VIBRATION DAMPING USING ...

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the method includes performing structural dynamics analysis on ... a shape memory alloy ... shape memory alloys (smas) for damping vibrations in ...

PASSIVE DAMPING OF COMPOSITE BLADES USING EMBEDDED ...

Wed, 07 Dec 2016 03:28:00 GMT

passive damping of composite blades using embedded piezoelectric modules or shape ... damping systems: shape memory alloy ... damping of structural vibrations ...

VIBRATIONS OF PLATES WITH SUPERELASTIC SHAPE MEMORY ALLOY ...

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vibrations of plates with superelastic shape ... hysteresis · shape memory alloy · vibration ... transformation during structural vibrations, ...

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proposed for the structural integration of the damping devices into ... piezoelectric damping, shape memory alloy ... for shape control and vibration damping in a ...

DAMPING OF HIGH-TEMPERATURE SHAPE MEMORY ALLOYS - NASA

Sun, 30 Apr 2017 01:42:00 GMT

... shape memory alloy, damping, aircraft ... characteristics of high temperature shape memory ... is a titanium alloy beam typically used for vibration ...

SHAPE MEMORY ALLOYS IN STRUCTURAL VIBRATION CONTROL

Tue, 09 May 2017 22:17:00 GMT

shape memory alloys in structural vibration control ... the shape memory effect allows the metal to recover its ... the forced vibrations of the simple ...

PATENT US20040051219 - METHOD FOR VIBRATION DAMPING USING ...

Thu, 20 Apr 2017 09:53:00 GMT

a method is provided for damping vibrations in a turbine. the method includes performing structural dynamics analysis on the ... a shape memory alloy ...