

Fiber-optic-based Laser Vapor Screen Flow Visualization System For Aerodynamic Research In Larger Scale Subsonic And Transonic Wind Tunnels (SuDoc NAS 1.15:4514) By Gary E. Erickson

By Gary E. Erickson

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<http://citeseerx.ist.psu.edu/showciting?cid=3382451>

Dielectric barrier discharge micro-plasma emission -

whereas the quartz plates are employed as observation window at which optical fiber The acetone vapor is introduced by a helium carrier flow Laser-based

<http://www.sciencedirect.com/science/article/pii/S0039914015301995>

MEASUREMENT OF HYPERSONIC FLOWS F. Kevin Owen -

Turbulence levels based on local mean flow values exceed 30 made to the sending optics which enabled laser light liquefied vapor in the cross flow

http://link.springer.com/content/pdf/10.1007%2F978-94-011-1828-6_30.pdf

Hecht, Jeff: Understar_ding Fiber Optics (1991) -

Hecht, Jeff: Understar_ding Fiber Optics. Documents; Authors; Tables; Log Fiber Opt icBased Laser Vapor Screen Flow Visualization Systems f or Aerodynamics

<http://citeseerx.ist.psu.edu/showciting?cid=5679962>

B.: Visualization and Flow Surveys of the Leading -

Visualization and Flow Surveys of Fiber Opt icBased Laser Vapor Screen Flow Visua li Fiber optics are used to deliver the laser beam through

<http://citeseerx.ist.psu.edu/showciting?cid=4630050>

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Fiber-optic-based laser vapor screen flow visualization system for aerodynamic research in larger scale subsonic and transonic wind tunnels (SuDoc NAS 1.15:4514)

<http://www.amazon.com/Fiber-optic-based-visualization-aerodynamic-research-transonic/dp/B00010KEOQ>

Flow visualization and application of -

Flow visualization and application of Particle-Image the vapour-screen method and oil flow Fiber-optic-based laser vapor screen flow

http://link.springer.com/chapter/10.1007%2F978-3-322-86573-1_27

H.: Review of the NASA High-Alpha Technology -

Review of the NASA High-Alpha Technology Program. Fiber Opt icBased Laser Vapor Screen Flow Visua li Fiber optics are used to deliver the laser beam

<http://citeseerx.ist.psu.edu/showciting?cid=3277059>

Laser Package Having Multiple Emitters Configured -

Jul 29, 2015 The conventional polar GaN based laser diodes have Typical distances of the optical fiber from the laser diode facet A flow of a gallium

<http://www.freshpatents.com/-dt20150730ptan20150211724.php>

Optical filter legal definition of Optical filter -

purification, purifier, refinery, screen, sieve, sifter The new film can also be used with optical filters based on a glass Optical fiber laser;

<http://legal-dictionary.thefreedictionary.com/Optical+filter>

Subsonic Through Supersonic Speeds - Home (AIAA) -

subsonic through supersonic speeds in the NASA-Ames The laser head and optical compo- The laser vapor screen flow visualizations were obtained with the

<http://arc.aiaa.org/doi/pdf/10.2514/6.1990-2814>

AEDC Commander announces 2014 Fellows -

non-intrusive optical diagnostics for the laser vapor screen flow visualization hardware-in-the-loop testing for the Ground-based Missile

<http://www.arnold.af.mil/news/story.asp?id=123414972>

ICO20: Lasers and Laser Technologies | (2005) | -

Angle tuned mid-infrared optical parametric oscillator based on doped double-clad silica fiber laser vapor concentration measurement in singlet

http://spie.org/Publications/Proceedings/Volume/6028?&end_year=2005

Fiber optic-based laser vapor screen flow -

Title: Fiber optic-based laser vapor screen flow visualization systems for aerodynamic research in larger-scale subsonic and transonic wind tunnels

<http://adsabs.harvard.edu/abs/1992STIA...9320298E>

7 X 10-Foot High Speed Tunnel - NasaCRgis - NASA -

May 26, 2015 facilitated by the installation of a fiber-optic-based laser vapor screen and promote condensation of the water vapor in the flow field

http://crgis.ndc.nasa.gov/historic/7_X_10-Foot_High_Speed_Tunnel

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<http://dch360.com/file/50531f2>

Prostate laser surgery - Mayo Clinic -

Prostate laser surgery is used to delivers energy that is used to shrink or to remove the excess tissue that is blocking the urethra and preventing urine flow.

<http://www.mayoclinic.org/tests-procedures/prostate-laser-surgery/basics/definition/PRC-20013285>

Optical fiber - Wikipedia, the free encyclopedia -

of fiber that is commonly used in fiber optic sensors of an optical fiber is based on fiber's optical properties. In outside vapor

http://en.wikipedia.org/wiki/Optical_fiber

Optical filter - definition of Optical filter by -

dust filtered through the screen. 10. (intr) to flow slowly; Optimal design of optical filter for white light interferometry based by Optical fiber laser;

<http://www.thefreedictionary.com/Optical+filter>

Fiber-optic-based laser vapor screen flow -

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<http://www.amazon.com/Fiber-optic-based-visualization-aerodynamic-research-transonic/dp/B00010KEOQ>

Light-emitting diode - Wikipedia, the free -

high-efficiency LEDs for optical fiber telecommunications by Charge-carriers electrons and holes flow into the In an organic light-emitting diode

https://en.m.wikipedia.org/wiki/Light-emitting_diode

Extron XTP Receivers - XTP SFR HD 4K -

The Extron XTP SFR HD 4K is an XTP scaling receiver for extending video, audio, bidirectional control, and Ethernet over one fiber optic cable.

<http://www.extron.com/product/product.aspx?id=xtp sfrhd4k&search=XTP%20SFR%20HD%204K%20SM>

NASA Technical Reports Server (NTRS) - Fiber- -

Abstract: Laser vapor screen (LVS) flow visualization systems that are fiber-optic based were developed and installed for aerodynamic research in the Langley 8-Foot

<http://ntrs.nasa.gov/search.jsp?R=19940022203>

Assessing the Capability of Doppler Global -

Doppler Global Velocimetry To Measure Vortical Flow direction based on the orientation of the laser propagation developed for vapor screen flow

<http://www.cs.odu.edu/~mln/ltrs-pdfs/NASA-94-jae-jfm.pdf>

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<http://scattered17.pedagogie-durable.com/?breq=21>

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