

**Duct Flow Nonuniformities For Space Shuttle Main Engine
(SSME) Final Report (SuDoc NAS 1.26:179338)**

By NASA

Patent US7428817 - Premix burner with a swirl -

with at least one duct orifice facing away from the swirl space and with a duct Premix burner with a swirl generator delimiting a conical a flow space in

<http://www.google.com/patents/US7428817>

Duct flow nonuniformities study for Space Shuttle -

Additional Physical Format: Print version: Thoenes, Jürgen. Duct flow nonuniformities study for Space Shuttle main engine. (OCoLC)796997250 Online version:

<http://www.worldcat.org/title/duct-flow-nonuniformities-study-for-space-shuttle-main-engine-technical-report/oclc/796997249>

DUCT FLOW NONUNIFORMITIES STUDY FOR SPACE SHUTTLE -

LMSC-HEC TR F042555 DUCT FLOW NONUNIFORMITIES STUDY FOR SPACE SHUTTLE MAIN ENGINE Technical Report Contract NAS8-34507 August 1985 By Jürgen Thoenes

<http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19860013161.pdf>

On The Nature Of The Flow In A Separated Annular -

we may be able to control flow separation. that space based solar power is the of these flow nonuniformities found near the inlet of the

<https://www.scribd.com/doc/23891543/On-The-Nature-Of-The-Flow-In-A-Separated-Annular-Diffuser>

Computation of three-dimensional unsteady -

Computation of three Turbomachinery, Unsteady Flow, Annular Ducts, Results show the effect of initial swirl of the flow in the presence of nonuniformities

<http://adsabs.harvard.edu/abs/1983STIN...8326039B>

Solved with COMSOL Multiphysics 4.4 Flow Duct -

Solved with COMSOL Multiphysics 4.4 1 | FLOW DUCT perform a systematic exploration of parameter space by primarily near the nonuniformities of the duct

http://www.comsol.com/model/download/184271/models.aco.flow_duct.pdf

A PROGRAM OF RESEARCH IN THE FIELD OF TURBULENT -

and unsteady interaction of 2 circumferential nonuniformities as well as a multiplicity of circumferential nonuniformities FLOW IN DUCTS, IN A SPACE

<http://oai.dtic.mil/oai/oai?&verb=getRecord&metadataPrefix=html&identifier=AD0017226>

Duct flow nonuniformities effects of struts in -

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<http://www.amazon.co.uk/Duct-flow-nonuniformities-effects-struts/dp/B00010P7IO>

K.R. Magiawala, V.A. Kulkarny and Schwartz, TRW -

J. Schwartz, TRW Space and Technology and create flow nonuniformities in the laser cavity medium. flow of gas in suppressor ducts is assumed to be isentropic

<http://arc.aiaa.org/doi/pdf/10.2514/6.1982-892>

Chapter 17 -

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<https://www.scribd.com/doc/6538384/Chapter-17>

B.L. Liu, J.T. Lineberry and H.J. Schmidt, The -

J.T. Lineberry and H.J. Schmidt, The Univ. of Tennessee Space Institute, current nonuniformities exist For duct flow with a predominant flow direction the
<http://arc.aiaa.org/doi/pdf/10.2514/6.1983-464>

Particulate Sampling Strategies For Large Power -

LITERATURE AND PERSONAL CONTACT SURVEY 7 A. INTERNAL DUCT FLOW these nonuniformities persist as the flow SPACE SAMPLE PORTS
<http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=2000ZPZ0.txt>

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Imsc-hec tr f225755 final report duct flow nonuniformities for space shuttle main engine (ssme) 30 december 1987 contract nas8-35592 ms4-ce-179338) . duct.
<http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19880015515.pdf>

Effect of eccentricity and thermal boundary -

Effect of eccentricity and thermal boundary conditions on laminar fully developed flow in annular ducts. laminar fully developed flow space for the flow
<http://www.sciencedirect.com/science/article/pii/0142727X9500030T>

Publications of Ephraim M Sparrow - University of -

DUCT-FLOW VERSUS EXTERNAL Effect of approach-flow velocity and temperature nonuniformities on boundary E.M. Sparrow . FLOW AND HEAT TRANSFER OVER A
http://experts.umn.edu/expertPubs.asp?u_id=2673

Impulse Response of the HVAC Duct as a -

Impulse Response of the HVAC Duct as a Communication Channel The path loss in ducts is smaller compared to the free space from nonuniformities in the duct
http://www.ece.cmu.edu/wireless/papers/nikitin_impulse_resp_ieee_comm.pdf

ASME DC | Journal of Engineering for Gas Turbines -

Journal of Engineering for Gas Turbines and Power or the duct behavior the rotordynamic implications of such flow nonuniformities are discussed and compared
<http://gasturbinespower.asmedigitalcollection.asme.org/issue.aspx?issueid=26829>

Gent, September, Paper DETERMINATION OF -

without short-circuiting to the return duct. The horizontal axis is the ratio of ventilation flow rate concentration in the space.
http://www.inive.org/members_area/medias/pdf/Conf/1988/Anderson.pdf

RESEARCH ORAN DUM -

uniform flow in ducts, from tests made in a directly connected duct in which flow nonuniformities space between individual rods of screen

http://digital.library.unt.edu/ark:/67531/metadc63549/m2/1/high_res_d/19930089756.pdf

ASME DC | Journal of Heat Transfer | 122 | 1 -

Journal of Heat Transfer. secondary flow in the duct is visualized and the steady and transient convection of the plate group in infinite space.

<http://heattransfer.asmedigitalcollection.asme.org/issue.aspx?journalid=124&issueid=27615>

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ASME DC | Journal of Heat Transfer | 109 | 4 -

Journal of Heat Transfer. Spatial nonuniformities in the heat flux imposed along the problem of heat transfer to laminar duct flow subjected to an axial

<http://heattransfer.asmedigitalcollection.asme.org/issue.aspx?journalid=124&issueid=27502>

Aerosol dispersion in human lung: comparison -

and corresponds to axial streaming for fully developed flow in a duct of induced by ventilation nonuniformities between groups or in space, can indeed

<http://jap.physiology.org/content/83/3/966>

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International Journal of Heat and Fluid Flow - -

1979 Volume 1/1/The-international-journal-of-heat-and-fluid-flow of-cavitating-flow-in-a-duct of-particle-nonuniformities-on-the-flow-field

http://btdigg.org/search?info_hash=7a81fa105a4b8a8e873607ea891b9a75a3198847&q=test%20with%20space

Patent US3797074 - Air-laying process for forming -

Publication number: US3797074 A: Publication type: Grant: Publication date: Mar 19, 1974:

Filing date: Jan 11, 1973: Priority date

<http://www.google.com/patents/US3797074>

Nonuniformities in compact heat exchangers scope -

and it was found that flow maldistribution was generated by velocity profile in inlet ducts. and flow nonuniformities in compact heat space heating, pool

<http://www.sciencedirect.com/science/article/pii/S1364032114006674>

RESEARCH CORP ARCADIA CALIF F/a VA NETOGASDYNAMIC -

Magnetohydrodynamic Flow, High Magnetic Reynolds Number Flow, Pulsed MHD Flows. 20. ABSTRACT

<http://www.dtic.mil/dtic/tr/fulltext/u2/a079919.pdf>

CFD study of duct flow nonuniformities - -

CFD study of duct flow nonuniformities in SSME hot Nonuniform Flow, Space Shuttle calculation are that no flow separation occurs in the turnaround duct

<http://adsabs.harvard.edu/abs/1990jpof.confQ....B>

NASA Technical Reports Server (NTRS) - Duct flow -

Duct flow nonuniformities for Space Shuttle Main Engine (SSME) NTRS Full-Text: NASA-CR-179338, NAS 1.26:179338, Coverage: Final Report Document

<http://ntrs.nasa.gov/search.jsp?R=19880015515>

Impulse response of the HVAC duct as a -

OCTOBER 2003 Impulse Response of the HVAC Duct as a the duct system into the building space is the straight ducts. Severe nonuniformities,

http://www.academia.edu/6615868/Impulse_response_of_the_HVAC_duct_as_a_communicati_on_channel

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<http://confusion116.divorcemediationberkeley.com/>

Home Energy Magazine :: Testing Duct Leakage -

the flow through the duct create nonuniformities of pressure in the duct located in conditioned space, and 20% losses for ducts located

<http://www.homeenergy.org/show/article/nav/diagnostics/page/5/id/598>

Read Design of a Wave-Rotor Transition Duct text -

Design of a Wave-Rotor Transition Duct. preferable to such circumferential nonuniformities. Table 7. Final duct Turbine Transition Duct Flow

<http://www.readbag.com/grc-nasa-www-rte-docs-aiaa-2005-5143>

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