

International Journal of Fluid Power



Volume 1 • Number 2 • October 2000



ISSN 1439-9776

published by

Fluid Power Net International - FPNI

<http://fluid.power.net>

CONTENTS

<i>H. Yamada, G. Wennmacher, T. Muto, Y. Suematsu</i>	5
DEVELOPMENT OF A HIGH-SPEED ON/OFF DIGITAL VALVE FOR HYDRAULIC CONTROL SYSTEMS USING A MULTILAYERED PZT ACTUATOR	
<i>S. R. Habibi, G. Singh</i>	11
DERIVATION OF DESIGN REQUIREMENTS FOR OPTIMIZATION OF A HIGH PERFORMANCE HYDROSTATIC ACTUATION SYSTEM	
<i>E. Kojima, T. Ichiyonagi</i>	34
RESEARCH ON PULSATION ATTENUATION CHARACTERISTICS OF SILENCERS IN PRACTICAL FLUID POWER SYSTEMS	
<i>J.-C. Mare O. Geider, S. Colin</i>	46
AN IMPROVED DYNAMIC MODEL OF PNEUMATIC ACTUATORS	
<i>J. Ruan, P. R. Ukrainetz, R. Burton</i>	59
FREQUENCY DOMAIN MODELING AND IDENTIFICATION OF 2D DIGITAL SERVO VALVE	
<i>J. Watton, N. Freebody</i>	74
A TIME ENCODED SIGNAL PROCESSING/NEURAL NETWORK APPROACH TO FAULT CLASSIFICATION OF AN ELECTROHYDRAULIC CONTROL SYSTEM	
<i>Fluid Power Research Centres World-Wide</i>	84
<i>Software for Fluid Power Technology</i>	87
<i>Fluid Power Calendar</i>	90
<i>PhDs, Habilitations, Awards and Books</i>	92

The International Journal of Fluid Power homepage can be found at:
<http://journal.fluid.power.net>

The Fluid Power Net homepage can be found at:
<http://fluid.power.net>

The TuTech homepage can be found at:
<http://www.tutech.de>

TUHH –Technologie GmbH
International Journal of Fluid Power
Schellerdamm 4



D-21079 Hamburg
GERMANY

Fax: +49 40 766180 48
Email: fpni.journal@tutech.de

Order: International Journal of Fluid Power

To subscribe to International Journal of Fluid Power please use the form below. A subscription order form is also available for downloading on the Internet under <http://journal.fluid.power.net>

Title:	_____	Delivery Address (if different):	_____
First Name:	_____		_____
Surname:	_____		_____
Company:	_____		_____
Division:	_____		_____
Address:	_____		_____
City:	_____		_____
Country:	_____		_____
Phone:	_____		_____
Fax:	_____		_____
Email:	_____		_____

Options*

Annual subscription (4 issues)
= 85 €** (2 issues for year 2000 = 45 €)
Single issue _____

= 25 €

Only for China and Eastern European Countries

Annual subscription (4 issues)
= 50 € (2 issues for year 2000 = 30 €)
Single issue _____

= 17 €

Methods of Payment:

Credit card (preferred):

Master  Visa 

Invoice (extra charge 10 €)

Card No.: _____

Valid: _____/_____

Owner: _____

Date / Signature

Date / Signature

* All prices are listed without VAT, postage and packaging
** The new European common currency "Euro" 1 € = 1.9558 DM as from 1 January 1999