

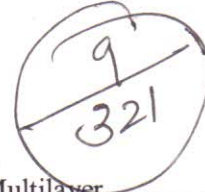
International Journal of MECHANICAL ENGINEERING

VOLUME 10

NUMBER 1

JUNE 2017

Contents



- Representation of Functions by Sigmoid Function Continuous Mappings Using Multilayer Feedforward Neural Networks 1-10
R. Murugadoss and M. Ramakrishnan
- State Estimation Using Kalman Filtering Approach Case Study: Nonlinear Process 11-20
Control Reactor – CSTR
M. Shyamalagowri and R. Rajeswari
- System Identification Using Predictive Controller Case Study: Continuous Stirred Tank Reactor 21-29
M. Shyamalagowri and R. Rajeswari
- Performance Study of two Motor Single Inverter Sensorless Drive with Unequal Ratings 31-38
R. Gunabalan and V. Subbiah
- Harmonic Distortion Reducing of Z-source Inverters Using Pulse Width Modulation for 39-46
Wind Powered Industrial Applications
J. Shanmugapriyan, A. Chilambuchelvan and S. Vijayan
- Power Management Scheme for Photovoltaic/Battery Hybrid System in Microgrid 47-55
*Sathish Kumar Shanmugam, Dhivya Bharathi Sundaramurthy
Ayswarya Swami Nathan and Sathya Priya Natrayan*
- An Efficient Probabilistic Random B-tree Indexing Technique for Fast Retrieval of 57-70
Multidimensional Features in Uncertain Data
M. Sathish and S. Sugumaran
- Highly Secured Cloud Environment with Self Destructing Data System (SeDas) Triggered 71-80
by Time Parameter
D. Thilagavathy and S. Savitha

