

LIST OF PUBLICATIONS

1. Published

- (i) Jones Tarcus Doss, L. and Nandini, A. P. “Discrete mixed Petrov-Galerkin finite element method for a fourth Order boundary value problem”, International Journal of Mathematics and Mathematical sciences, Vol. 2012, article ID 962070, doi: 10.1155/2012/962070, pp. 1-18, 2012.
- (ii) Jones Tarcus Doss, L. and Nandini, A. P. “An H^1 -Galerkin mixed finite element method for the extended Fisher-Kolmogorov equation”, International Journal of Numerical Analysis and Modeling, Series B, Vol. 3, number 4, pp. 460-485, 2012.

2. Presented in conferences

- (i) Jones Tarcus Doss, L. and Nandini, A. P. “Quadrature based mixed Petrov-Galerkin finite element method for fourth order differential equation”, International conference on recent trends in computational partial differential equations, Department of Mathematics, IIT Bombay, (ICCPDE-2008), 10 - 13 December, 2008.
- (ii) Jones Tarcus Doss, L. and Nandini, A. P. “Error analysis of the quadrature based mixed Petrov-Galerkin finite element method for a certain kind of linear fourth order ordinary differential equation”, Department of Mathematics, IIT Madras, National symposium on Mathematical methods and applications (NSMMA-2008), on 22.12.2008.