
PUBLICATIONS/PRESENTATIONS

JOURNAL PAPERS

Fahroo, F. and Demetriou, M., "Optimal Actuator/Sensor Location for Active Noise Regulator and Tracking Control Problems," *Journal of Computational and Applied Mathematics*, Vol. 114, No. 1, 2000, pp. 137-158.

Kang, W., "Bifurcation Control Via State Feedback for Systems with a Single Uncontrollable Mode," *SIAM Journal of Control and Optimization*, 38, 2000, pp. 1428-1452.

Middlebrook, E.E., Mansager, B.K., and Borges, C.F., "A Brief Combat Simulation Analysis of Autonomous Legged Underwater Vehicles," *Military Operations Research*, Vol. 5, No. 1, January 2000, pp. 17-27.

CONFERENCE PAPERS

Chang, D.E., Kang, W., and Krener, A. J., "Normal Forms and Bifurcations of Control Systems," *Proceedings IEEE Conference on Decision and Control*, Sydney, Australia, 12-15 December 2000.

Clynch, J.R., Franke, R., and Neta, B., "Improvements in Dynamic GPS Positions Using Track Averaging," *Proceedings of the ION Technical Meeting*, Anaheim, CA, 26-28 January 2000.

Fahroo, F. and Ross, I.M., "A Spectral Patching Method for Direct Trajectory Optimization," The Richard H. Battin Astrodynamics Symposium, College Station, TX, 20-21 March 2000, Paper No. AAS 00-260.

Fahroo, F. and Ross, I.M., "Direct Trajectory Optimization by a Chebyshev Pseudospectral Method," *Proceedings of the American Control Conference*, Chicago, IL, June 2000, pp. 3860-3864.

Fahroo, F. and Ross, I.M., "Trajectory Optimization by Indirect Spectral Collocation Methods," *Proceedings of the AIAA/AAS Astrodynamics Specialist Conference*, Denver, CO, August 2000, pp. 123-129.

Gordis, J. and Neta, B., "An Adaptive Method for the Numerical Solution of Volterra Integral Equations," *Recent Advances in Applied and Theoretical Mathematics*, N. Mastorakis, ed., World Scientific and Engineering Society International Conference, Athens, Greece, 1-3 December 2000, pp. 1-8.

Hamzi, B., Kang, W., and Barbot, J.P., "On the Control of Hopf Bifurcations," *Proceedings IEEE Conference on Decision and Control*, Sydney, Australia, 12-15 December 2000.

Kang, W., Xi, N., and Sparks, A., "Theory and Applications of Formation Control in a Perceptive Referenced Frame," *Proceedings IEEE Conference on Decision and Control*, Sydney, Australia, 12-15 December 2000.

Kang, W., Sparks, A., and Banda, S., "Multi-Satellite Formation and Reconfiguration," *Proceedings American Control Conference*, Chicago, IL, 28-30 June 2000.

Kang, W., Xi, N., and Sparks, A., "Formation Control of Autonomous Agents in 3D Workspace," *Proceedings IEEE International Conference on Robotics and Automation*, San Francisco, CA, 24-28 April 2000.

Kang, W. and Song, M., "Manufacturing Planning Based on Information Feedback," *Proceedings 6th International Conference on Control, Automation, Robotics and Vision*, Singapore, 5-8 December 2000.

Mortari, D. and Neta, B., "k-Vector Range Searching Techniques," *Proceedings AAS/AIAA Space Flight Mechanics Meeting*, Clearwater, FL, 23-26 January 2000, Paper No. AAS 00-128.

PUBLICATIONS/PRESENTATIONS

Neta, B. and Fukushima, T., "Obrechhoff Versus Super-Implicit Methods for the Integration of Keplerian Orbits," *Proceedings of the AIAA/AAS Astrodynamics Specialist Conference*, Denver, CO, 14-17 August 2000, Paper No. AIAA 2000-4029.

Xiao, M. and Kang, W., "Bifurcation Control Using Integral Averaging Method," *Proceedings IEEE Conference on Decision and Control*, Sydney, Australia, 12-15 December 2000.

Yan, H., Fahroo, F., and Ross, I.M., "Accuracy and Optimality of Direct Transcription Methods," *Proceedings of the AAS/AIAA Space Flight Meeting*, Clearwater, FL, January 2000.

CONFERENCE PRESENTATIONS

Fahroo, F., "Accuracy and Optimality of Direct Transcription Methods," AAS/AIAA Space Flight Meeting, in Clearwater, FL, January 2000.

Fahroo, F., "A Spectral Patching Method for Direct Trajectory Optimization," Richard H. Battin Astrodynamics Symposium, College Station, TX, 20-21 March 2000.

Fahroo, F., "Spectral Collocation Approximations for Optimal Control Problems," AMS 2000 Sectional Meeting, University of Louisiana at Lafayette, LA, 14-16 April 2000.

Fahroo, F., "Direct Trajectory Optimization by a Chebyshev Pseudospectral Method," American Control Conference, Chicago, IL, June 2000.

Fahroo, F., "Direct Trajectory Optimization by a Chebyshev Pseudospectral Method," American Control Conference, Chicago, IL, June 2000.

Fahroo, F., "Trajectory Optimization by Indirect Spectral Collocation Methods," AIAA-ASC 2000 Meeting, Denver, CO, August 2000.

Morgan, M.A., "Near-Field Imaging Using Cylindrical Harmonic Back-Propagation," PIERS 2000, Cambridge, MA, 10 July 2000.

Morgan, M.A., "Null Spaces in Equivalent Current Field Generation," PIERS 2000, Cambridge, MA, 10 July 2000.

Neta, B., "Obrechhoff Versus Super-Implicit Methods for the Integration of Keplerian Orbits," AIAA/AAS Astrodynamics Specialist Conference, Denver, CO, 14-17 August 2000.

Neta, B., "k-Vector Range Searching Techniques," AAS/AIAA Space Flight Mechanics Meeting, Clearwater, FL, 23-26 January 2000.

Neta, B., "Improvements in Dynamic GPS Positions Using Track Averaging," ION Technical Meeting, Anaheim, CA, 26-28 January 2000.

Neta, B., "An Adaptive Method for the Numerical Solution of Volterra Integral Equations," World Scientific and Engineering Society International Conference, Athens, Greece, 1-3 December 2000.

CONTRIBUTION TO BOOK

Cluever, C.A., Neta, B., Hall, C.D., and Hanson, J.M., "Advances in The Astronautical Sciences," Spaceflight Mechanics 2000, Vol. 105, Univelt, Inc., San Diego, CA, 2000 (Two-Volume Book).

PUBLICATIONS/PRESENTATIONS

TECHNICAL REPORT

Danielson, D. A., "Research in the Structural Dynamic Response of the RAH-66 Comanche Helicopter,"
Naval Postgraduate School Technical Report, NPS-MA-001-01, December 2000.