

Complete list of Dr Denis Sidorov's publications (since 1995)

D.N.Sidorov. "Modelling of non-linear dynamic systems by Volterra series approach: identification and applications," in the book "Attractors, Signals, and Synergetics" W.Klonowski (Ed.)- Berlin:Pabst Science Publ., pages 276-281, ISBN 3-936142-09-2 (2002)

D.N.Sidorov and A.C.Kokaram. "Suppression of moiré patterns via spectral analysis," in Visual Communications and Image Processing 2002, C.-C. Jay Kuo (Ed.), Proceedings of SPIE, Vol 4671, pages 895-906 (2002)

D.N.Sidorov and A.C.Kokaram. "Removing moiré from degraded video archives," in Proceedings of XIth European Signal Processing Conference (EUSIPCO 2002), Toulouse, France, pages 483-486 (2002)

A.C.Kokaram, J.H.Chenot, J.Biemond, D.N.Sidorov et al. "Robust and automatic digital restoration systems: coping with reality" in Proceedings of Intl Broadcasting Convention (IBC2002), Amsterdam, Netherland, IBC2002, pages 405-411 (2002)

D.N.Sidorov. "Modeling of nonlinear time-dependent dynamical systems by Volterra series: identification and applications" in Sib. Jour. of Industrial Mathematics, Vol.3 No.1(5), pages 182-194. ISSN:1560-7518. (in Russian language) *SibJIM is reviewed by Zentralblatt MATH: European Mathematical Society, Springer-Verlag* (2000)

D.N.Sidorov. "Modelling of non-linear dynamic systems by Volterra series approach (VSA): identification and applications". 3rd European Congress of Mathematics 3ECM, Barcelona, abstract (2000)

D.N.Sidorov. "About integral model of nonlinear dynamic systems". International Congress of Industrial and Applied Mathematics ICIAM 99, Edinburg, 1999, page 310, abstract (2000)

D.N.Sidorov. "Modelling of nonlinear dynamic systems by VSA: identification and applications". Tikhonov Intl Conference "Ill-posed and Inverse problems", Moscow State Univ., abstract (2000)

D.N.Sidorov. "Modelling of nonlinear dynamic systems by VSA: identification and applications" PhD thesis, ISEM SB RAS Publ., Irkutsk-1999 180p. (in Russian language) (1999)

A.S.Apartsin, D.N.Sidorov, S.V.Solodusha. "Identification of integral models of nonlinear dynamic systems" in the Proceedings of "Intl Conference on Dynamic System Identification and Inverse Problems", Moscow - St.Petersburg, Russia, pages 22-34, (1998)

D.N.Sidorov and S.V.Solodusha. "Accuracy of modelling of nonlinear dynamic systems by Volterra series" in the Proceedings of All-Russia Conference "The Algorithmic analysis of Ill-posed Problems", February 2-6, 1998. Ekaterinburg: ESU, IM UB RAS 1998, pages 241-242 (in Russian language) (1998)

D.N.Sidorov. "On reconstruction of three-dimensional Volterra kernels in the problem of modeling of nonstationary dynamics systems" in the Proceedings of XI Baikal Intl School-Seminar Optimization Methods and their Applications (in Russian language) pages 165-168 (1998)

D.N.Sidorov and S.V.Solodusha. "On heat exchanger's modelling by the Volterra series" in the Proceedings of MATHTOOLS'97 - 2nd Intl Conference "Tools for Mathematical Modelling", St.Petersburg, StPSTU, pages 221-229 (1997)

D.N.Sidorov. "On some class of the three-dimensional Volterra equations of the 1st kind" in the Proceedings of ISEM Annual Conference '98 (in Russian language, deposited in VINITI 5.08.98, № 2915-B98, pages 37-57) (1998)

S. Apartsyn and D. N. Sidorov. "On the theory of modelling of nonlinear dynamic systems via functional Volterra series" in Proceedings of Intl Seminar Nonlinear modelling and control, Samara, SSU, 12 p. (1997)

D.N.Sidorov. "About existence and uniqueness of solutions of one class of the dual integral equations" in "Methods of the analysis. Inter-high schools coll. of papers" Irkutsk: Irkutsk State Teachers Training University, 1997, pages 130-140 (in Russian language) (1997)

D.N.Sidorov. "Existence and construction of the unique solution of the one class of the first kind Volterra integral equation" in the Proceedings of Conference on differential equation and their application, EQUADIFF-9, August 25-29, Brno, Czech Republic, 1997. page 177 (in English language) (1997)

D.N.Sidorov. "About two-dimensional Volterra integral equations of the 1st type for nonstationary dynamical systems modelling" in the Proceedings of ISEM Annual XXVII Conference '97 (in Russian language, deposited in VINITI 12.09.97, № 2830-B97, pages 164-170) (1997)

D.N.Sidorov. "About some Volterra integral equations of the I type for nonstationary dynamical systems modelling" in the Proceedings of SEI (ISEM) Annual XXVI Conference '96 (in Russian language, deposited in VINITI 8.07.96, № 2194-B96, pages 119-130) (1996)

A. S. Apartsyn and D.N. Sidorov. "New classes of multi-dimensional Volterra integral equations for modelling of non-stationary dynamic systems" // Abstracts of II Siberian congresses INPRIM-96, July 25-26, Novosibirsk, 4 p. (1996)

D.N.Sidorov. "Volterra kernels identification for nonstationary dynamical systems modelling" in the Proceedings of SEI (ISEM) Annual XXV Conference '95 (in Russian language, deposited in VINITI 21.07.95, № 2262-B95, pages 126-130) (1995)

A.S.Apartsyn and D.N.Sidorov . "About identification of the Volterra kernels in integral models of non-stationary dynamic systems" in Proceedings of X Intl Baikal school - seminars "Methods of optimization and application", August 14-19 1995, pages 235-236 (in Russian language) (1995)