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	Author-ID	Publications	Citations	h-index
Web of Science Researcher-ID		42	168	7
SCOPUS	56015649800	40	183	8
RSCI	107332	82	584	10

Professor, research interests: nonlinear differential equations, dynamical systems and optimal control, asymptotics, generalized solutions. Main topics of scientific work: Asymptotic methods for nonlinear differential equations of mathematical physics with a small parameter. Singular solutions of nonlinear equations. A method of geometric asymptotics for constructing asymptotic solutions of nonlinear partial differential equations was developed (jointly with V.P. Maslov). The method allows one to construct asymptotics of solutions with localized fast variation (such as distorted solitons, kinks, etc.) for non-integrable multidimensional equations. A method for constructing rapidly oscillating asymptotic solutions of weakly nonlinear partial differential equations was developed (jointly with V.P. Maslov). The method allows one to describe the interaction of oscillating packets of nonlinear waves (effects such as three-wave interaction). A number of new model equations are obtained, including a generalization of the Kadomtsev-Pogutse equations for plasma, which takes into account both geometric and energy effects. A method of weak asymptotics for describing the interaction of nonlinear waves for nonintegrable nonlinear partial differential equations is being developed (together with V.G. Danilov). A description of the interaction of solitary waves for equations of the KdV type with low dispersion and a description of the merging of free boundaries in the modified Stefan problem (one-dimensional case) are obtained.

Scientific biography: Graduated from the Moscow Institute of Electronics and Mathematics, Faculty of Applied Mathematics in 1973 (Department of Applied Mathematics). Candidate dissertation - 1981 Doctoral dissertation – 1993 Academic title of professor – 1996. He currently works in Mexico at the De Sonora University (Hermosillo) in the Department of Mathematics.