??????????, ?????, ???????, ?????????????? ???????? (??????, 7. IX 1953). ?? ???????? ????????? ? ???????? ?????????? 1975. ? ?????????? 1982. ?? ????? ????????? ????? ?? ???? 1977, ? ?? 1994. ?? ??????? ????????. ?? ???????? ? ?????????? ????????? ??????? ??????? ???????? ? ??????????? ??????, ? ?? 2003. ?? ????????????? ???????????? ? ??????, ?? ?????????????? ?????????, ???? ? ???????????????. ?? ???????? ????? ???? ??????? ?? 2006, ? ?? ???????? 2012. ???? ?? ???????? ???????? ? ????????? ????????? ? ?????? ?? (???????, „Full Symmetry, Optical Activity and Potentials of Single- and Multi-wall Nanotubes", *Phys. Rev*. *B*, 1999, 60; ???????, „Symmetry Based Fundamentals on Carbon Nanotubes", 2, ?: S. V. Rotkin, S. Subramoney (??.), *Applied Physics of Nanotubes*, *Fundamentals of Theory, Optics and Transport Devices*, Berlin 2005). ????? ?? ???? ?????????????? ???????? ?? ???? ???????, ??? ? ??????????a „? ????????? ? ???????? ?????a??????????? ??????" (*?????? ???????? ?????*, 1995, 1) ? *Line groups in Physics* (? I. Miloševi?, Berlin 2010). ? ??????? ???????????? ??????? ?????????? ?? 2014. ??????? ?? ????? ??? ???????, ???? ?? ???????? ????? ?????? ????. ??????????? ?? ???? ??????? ? ???????????? ????????????????? ????????? ?? ??????, ? ????? ?????????? ?? ????????? ??????? ?? ????????????? ??????? ?? ???????, ????????, ??????, ???????, ?????? ? ????????. ????? ?? ?? ????????? ? ???????????? ??????? ??????? ?????? ???????????? „Nanotexnology" ? ??????. ????? 2000. ??????? ?? ???????????? ?? ????????????? ?? ???????? ?????????. ? ????????? ???????????? ????? ?? ? ?????? ??????? ?????????? (? M. Vuji?i?, „Magnetic line groups", *Phys. Rev*. *B*, 1982, 25, 11; ? B. Nikoli?, I. Miloševi?, „Symmetry of nanotubes rolled up from arbitrary two-dimensional lattices along an arbitrary chiral vector", *Phys. Rev. B*, 2007, 75; ? N. Lazi?, M. Milivojevi?, „Spin line groups", *Acta Cryst*. *A*, 2013, 69, 611). ???????? ?? ??????? „????. ?? ????? ?????" (2006).

????: ? I. Miloševi?, „Normal vibrations and Jahn-Teller effect for polymers and quasi-one-dimensional systems", *Phys. Rev*. *B*, 1993, 47, 13; *?????????? ???????? ? ?????*, ?? 2000; ? T. Vukovi?, I. Miloševi?, „Modified group projectors: tight-binding method", *J. Phys. A*, 2000, 33; ? Z. P. Popovi?, I. Miloševi?, „Phonon transport in helically coiled carbon nanotubes", *Carbon*, 2014, 77.

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*????? ?? ???????? ? 1. ????? III ???? ?????? ????????????? (2018)

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