

LISTE DE PUBLICATIONS DE VESSELIN PETKOV

Monographies:

- I. V.M.Petkov, *Scattering Theory for Hyperbolic Operators*, North-Holland, Amsterdam, 1989.
- II. V.Petkov and L.Stoyanov, *Geometry of Reflecting Rays and Inverse Spectral Problems*, John & Wiley and Sons, Chichester, 1992.
- III. V. Petkov and L. Stoyanov, *Geometry of the Generalized Geodesic Flow and Inverse Spectral Problems*, John & Wiley and Sons, Chichester, 2017.

Articles:

- [1] V.M.Petkov, *The Cauchy problem for symmetrizable systems and for nonstrictly hyperbolic equations*, Uspehi Mat. Nauk. **26** no.6 (1971), 251-252 (in Russian).
- [2] V.M.Petkov, *Necessary conditions for the Cauchy problem for hyperbolic systems with multiple characteristics to be well-posed*, Uspehi Mat. Nauk. **27**, no.4 (1972), 221-222 (in Russian).
- [3] V.M.Petkov, *Necessary conditions for the correctness of the Cauchy problem for nonstrictly hyperbolic equations*, Dokl. Acad. Nauk SSSR. **206** (1972), 287-290 (in Russian); English translation in Soviet Math. Dokl. **13** (1972), 1213-1217.
- [4] V.M.Petkov *On the Cauchy problem for first-order hyperbolic systems with multiple characteristics*, Dokl. Acad. Nauk SSSR. **209** (1973), 795-797 (in Russian); English translation in Soviet Math. Dokl. **14** (1973), 534-537.
- [5] V.M.Petkov *The Cauchy problem for nonsymmetrizable hyperbolic systems*, pp. 167-173 in Proc. Second Spring Conference of Bulg. Math. Soc. Vidin, Izdat. Bulg. Acad. Sci., Sofia, 1974 (in Bulgarian).
- [6] V.Ia.Ivrii and V.M.Petkov *Necessary conditions for the Cauchy problem for nonstrictly hyperbolic equations to be well posed*, Uspehi Mat. Nauk. **29** no.5 (1974), 3-70 (in Russian); English translation in Russian Math. Surveys. **29** (1974), 1-70.
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- [11] V.M.Petkov, *Parametrix of the Cauchy problem for nonsymmetrizable hyperbolic systems with characteristics of constant muultiplicity* Trans. Moscow Math. Soc. **1** (1978), 3-47 (in Russian); English translation in Trans. Moscow Math. Soc. **1** (1980), 1-47.
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- [13] V.M.Petkov, *Equations et systèmes hyperboliaues à caractéristiques multiples*, Université Paris VI, URA 189 CNRS, 1985.

- [14] V.M.Petkov et G.Popov, *Propagation des singularités pour des systèmes hyperboliques non symétrisables*, Serdika, **2** (1976), 283-294.
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