

Erratum

to the Note by Habib Ammari, Alexander G. Ramm

entitled: *Recovery of small electromagnetic inhomogeneities from partial boundary measurements*
published in *Série IIb*, t. 330, n° 3, pp. 199–205.

Since the publication of:

(*) H. Ammari, A.G. Ramm, C. R. Mecanique 330 (3) (2002) 195–205

the authors have suggested that several points be clarified:

- The boundary data used in this paper correspond to acoustic scattering rather than to electromagnetic scattering;
- There are omissions in references:
 - (a) Formulas for the polarizability tensors and S-matrix for wave scattering by small bodies of arbitrary shapes were obtained in:
 - [1] A.G. Ramm, *Iterative Methods for Calculating Static Fields and Wave Scattering by Small Bodies*, Springer-Verlag, New York, 1982.
 - (b) A method for finding small subsurface inhomogeneities from surface scattering data was proposed in:
 - [2] A.G. Ramm, Finding small inhomogeneities from surface scattering data, *J. Inverse and Ill-Posed Problems* 8 (2) (2000) 205–210.
 - (c) This method was tested numerically in:
 - [3] S. Gutman, A.G. Ramm, Application of the hybrid stochastic-deterministic minimization method to a surface data inverse scattering problem, in: A.G. Ramm, P.N. Shivakumar, A.V. Strauss (Eds.), *Operator Theory and its Applications*, Fields Inst. Commun., Vol. 25, Amer. Math. Soc., Providence, RI, 2000, pp. 293–304.
 - (d) Inverse scattering problem for delta-type potentials has been investigated in:
 - [4] F. Gesztesy, A.G. Ramm, An inverse problem for point inhomogeneities, *Methods Funct. Anal. Topology* 6 (2) (2000) 1–12.
 - (e) The approach used in paper (*) has been used earlier in a variety of multidimensional inverse scattering problems in the monograph:
 - [5] A.G. Ramm, *Multidimensional Inverse Scattering Problems*, Longman/Wiley, New York, 1992, pp. 1–385. (Mir, Moscow, 1994, pp. 1–496, is Russian translation of the expanded monograph [5].)
 - In [5] a general approach to solving various inverse problems is developed. It is based on property C (completeness of the set of products of solutions to homogeneous PDE), the notion introduced and studied in [5] and in the earlier papers by A.G. Ramm, cited in [5].
 - An edited version of (*) is available at www.math.ksu.edu/~ramm, paper 434.