

PUBLICATIONS

ANDRÁS VASY

- Propagation of singularities for the wave equation on manifolds with corners.*
Submitted for publication, June 2004.
- Inverse scattering with fixed energy for dilation-analytic potentials,*
joint work with Xue Ping Wang. To appear in *Inverse Problems*.
- Analytic continuation of the resolvent of the Laplacian on symmetric spaces of noncompact type,* joint work with Rafe Mazzeo. Submitted for publication, September 2003.
- Scattering theory on $SL(3)/SO(3)$: connections with quantum 3-body scattering,*
joint work with Rafe Mazzeo. Submitted for publication, June 2002;
revised version submitted, May 2003.
- Inverse problems in N -body scattering,* joint work with Gunther Uhlmann.
Inverse Problems and Spectral Theory, edited by Hiroshi Isozaki,
Contemporary Mathematics, American Mathematical Society (2004).
- Complex powers and non-compact manifolds,* joint work with Bernd Ammann,
Robert Lauter and Victor Nistor. To appear in *Comm. in PDEs*.
- Geometry and analysis in many-body scattering. Inside-out: Inverse problems,*
Math. Sci. Res. Inst. Publ., 47:333-379 (2003).
- Analytic continuation of the resolvent of the Laplacian on $SL(3)/SO(3)$,*
joint work with Rafe Mazzeo. To appear in *American Journal of Mathematics*.
- Exponential decay of eigenfunctions in many-body type scattering with second order perturbations.* *J. Func. Anal.* 209:468-492 (2004).
- Spectral and scattering theory for symbolic potentials of order zero,*
joint work with Andrew Hassell and Richard Melrose.
Advances in Mathematics 181:1-87 (2004).
- Low energy inverse problems in three-body scattering,*
joint work with Gunther Uhlmann. *Inverse Problems* 18:719-736 (2002).
- Fixed energy inverse problem for exponentially decaying potentials,*
joint work with Gunther Uhlmann. *Methods Appl. Anal.* 9:239-248 (2002).
- Resolvents and Martin boundaries of product spaces,*
joint work with Rafe Mazzeo. *Geom. Func. Anal.* 12:1018-1079 (2002).
- Smoothness and high energy asymptotics of the spectral shift function in many-body scattering,*
joint work with Xue Ping Wang. *Comm. in PDEs*, 27:2139-2186 (2002).
- Intersecting Legendrians and blow-ups,* joint work with Andrew Hassell.
Math. Res. Lett. 8:413-428 (2001).
- The resolvent for Laplace-type operators on asymptotically conic spaces,*
joint work with Andrew Hassell. *Annales de l'Institut Fourier*,
51:1299-1346 (2001).
- Propagation of singularities in many-body scattering in the presence of bound states,*
J. Func. Anal., 184:177-272 (2001).
- Propagation of singularities in many-body scattering,*
Ann. Sci. Ecole Norm. Sup. (4), 34:313-402 (2001).

Semiclassical estimates in asymptotically Euclidean scattering,
joint work with Maciej Zworski. Commun. Math. Phys., 212:205-217 (2000).

The spectral projections and the resolvent for scattering metrics,
joint work with Andrew Hassell. J. Anal. Math., 79:241-298 (1999).

Symbolic functional calculus and N -body resolvent estimates,
joint work with Andrew Hassell. J. Func. Anal., 173:257-283 (2000).

Scattering matrices in many-body scattering, Commun. Math. Phys., 200:105-124 (1999).

Geometric scattering theory for long-range potentials and metrics,
Int. Math. Res. Notices, 1998, no. 6, 285-315 (1998).

Propagation of singularities in three-body scattering, Asterisque, 262 (2000).

Structure of the resolvent for three-body potentials, Duke Math. J., 90:379-434 (1997).

Asymptotic behavior of generalized eigenfunctions in N -body scattering,
J. Func. Anal., 148:170-184 (1997).

Scattering poles for negative potentials, Comm. in PDEs, 21:185-194 (1997).