

# Magali Louise Marie Folch Gabayet

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## Personal

Mexican, married, two children, ages 4 and 6.

## Education

Undergraduate degree in Mathematics, 1988–1992, Facultad de Ciencias, UNAM, México.  
Master's degree, 1994, University of Wisconsin — Madison  
Ph. D, 1998, University of Wisconsin — Madison; “Boundedness of certain convolution operators”; Advisor: Dr. Stephen Wainger.

## Research interests

Harmonic analysis (oscillatory integrals, singular integrals).

## Experience

Investigador Titular A, T.C. Instituto de Matemáticas, UNAM, August 2005 to date.  
Investigador Asociado C, T.C., Instituto de Matemáticas, UNAM, September 1998–August 2005.

## Teaching

Two courses per year at the graduate (Master's) or undergraduate level since 1998.

## Publications

- “An oscillatory integral estimate associated to rational phases”, Folch-Gabayet, M., Wright, J., *The Journal of Geometric Analysis*, Volume 13, Number 2, 2003.
- “An estimation for a family of oscillatory integrals”, Folch-Gabayet, M., Wright, J., *Studia Mathematica* 154 (1), 2003, 89–97.
- “Banach Spaces of Solutions of the Helmholtz Equation in the Plane” Josefina Alvarez, Magali Folch Gabayet, Salvador Pérez Esteva, *J. Fourier Anal. Appl.* 7 (2001), no.1, 49–62.
- “Lipschitz Measures and Vector-Valued Hardy Spaces” Magali Folch Gabayet, Martha Guzmán Partida, Salvador Pérez Esteva, *International Journal of Mathematics and Mathematical Sciences*, 25:5 (2001) 345–356.
- “A family of strongly singular operators” Folch Gabayet, M., *J. of the Australian Mathematical Society, Series A*, 67 (1999), pp. 58–84.
- “Singular Integral Operators Associated to Curves with Rational Components” Folch Gabayet Magali, Wright James, accepted, “*Transactions of the American Mathematical Society*”.

I am most interested in discussing family-related issues. In particular, I would like to know what is being done in Canada so that women will have a greater role in mathematics. I believe that what is done in UNAM in Mexico is not what most of us would like to see, or expect.