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Título Profesional o Grado Académico (incluya el año de obtención):

BACHELLOR OF ARTS MATHEMATICA 1979, HARVARD COLLEGE

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Estudios de Postgrado o Especialización (institución donde lo obtuvo y año de obtención):

PH. D. (MATEMATICA) 1983, PRINCETON UNIVERSITY

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Actividad Actual e Institución en la cual trabaja:

PROFESOR TITULAR DE LA UNIVERSIDAD DE CHILE. DEPARTAMENTO DE MATEMÁTICAS, FACULTAD DE CIENCIAS.

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Reseña de su actividad laboral actual:

**Área de Investigación:** Teoría de Números.

**Línea de Investigación:** Teoría Analítica y Algebraica de Números

**Docencia:**

POTAFOLIO ACADÉMICO, U. DE CHILE

Pregrado; Teoría de Números; CS04018; 2015; PROF. RESPONSABLE

Pregrado; Estructuras Algebraicas; FE-410; 2015; PROF. RESPONSABLE

Pregrado; Teoría de Números; MC-520; 2015; PROF. RESPONSABLE

Pregrado; CALCULO EN VARIAS VARIABLES; MC-330; 2014; COORDINADOR

Pregrado; ALGEBRA Y GEOMETRIA I; MC110; 2014; COORDINADOR

Pregrado; UNIDAD DE INVESTIGACION; MC880; 2014; COORDINADOR

Pregrado; SEMINARIO; SS100; 2014; COORDINADOR

Pregrado; Estudio de Textos de Matemática; CS04013; 2013; COORDINADOR

Pregrado; METODOS Y APLICACIONES DE LAS ECUACIONES DIFERENCIALES;  
MC 441; 2013; COORDINADOR

Pregrado; ALGEBRA LINEAL Y CALCULO VECTORIAL; MC340; 2013;  
COORDINADOR

Pregrado; UNIDAD DE INVESTIGACION; MC880; 2013; COORDINADOR

Pregrado; CALCULO EN VARIAS VARIABLES; MC-330; 2012; COORDINADOR

### **PROYECTOS DE INVESTIGACIÓN:**

POTAFOLIO ACADÉMICO, U. DE CHILE

1140537; Signed fundamental domains and their applications; 01-03-2014; 01-03-2017; E. Friedman; UCH / Facultad de Ciencias, Departamento de Matemáticas, Departamento de Matemáticas; FONDECYT; Regular

1110277; Zeroes of zeta functions and inverse methods; 01-03-2011; 01-03-2014; E. Friedman; UCH / Facultad de Ciencias, Departamento de Matemáticas, Departamento de Matemáticas; FONDECYT; Regular

RC120002; Teoría matemática de sistemas magnéticos cuánticos y clásicos; 01-03-2009; 01-12-2015; R. Benguria / E. Friedman; M. Mantoiu; R. Tiedra; Pontificia Universidad Católica de Chile/ Facultad de Física, PUC. Depto. de Física; Iniciativa científica Milenio; Núcleos Milenio

PUC0711; Doctorado en ciencias, mención matemáticas; 01-03-2008; 01-03-2012; R. RODRÍGUEZ / E. Friedman; Pontificia Universidad Católica de Chile/ Universidad Católica de Chile, Universidad Católica de Chile; MECESUP; MECESUP

1085153; Regularized products and integrals of multiple p-adic Gamma functions; 01-03-2008; 01-03-2011; E. Friedman; UCH / Facultad de Ciencias, Departamento de Matemáticas, Departamento de Matemáticas; FONDECYT; Regular

7070273; Shitani-Barnes multiple gamma functions and Abelian extensions; 01-03-2007; 01-03-2008; E. Friedman; UCH / Facultad de Ciencias, Departamento de Matemáticas, Departamento de Matemáticas; FONDECYT; Cooperación Internacional

7060247; Shitani-Barnes multiple gamma functions and Abelian extensions; 01-03-2006; 01-03-2007; E. Friedman / F. Diaz; UCH / Facultad de Ciencias, Departamento de Matemáticas, Departamento de Matemáticas; FONDECYT; Cooperación Internacional

7050163; Shitani-Barnes multiple gamma functions and Abelian extensions; 01-03-2005; 01-03-2006; E. Friedman; UCH / Facultad de Ciencias, Departamento de Matemáticas, Departamento de Matemáticas; FONDECYT; Cooperación Internacional

### **PUBLICACIONES INDEXADAS:**

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The multiplicative anomaly of three or more commuting elliptic operators  
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DOCUMENT TYPE: Article

Belabas, K., Friedman, E.  
Computing the residue of the Dedekind zeta function  
(2015) *Mathematics of Computation*, 84 (291), pp. 357-369.  
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(2014) *Proceedings of the London Mathematical Society*, 108 (4), pp. 965-988. Cited 5 times.  
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Castillo-Garate, V., Friedman, E.  
Discrepancies of products of zeta-regularized products  
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Friedman, E.  
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Raabe's formula for p-adic gamma and zeta functions  
(2008) Annales de l'Institut Fourier, 58 (1), pp. 363-376+IX. Cited 7 times.  
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Friedman, E., Ruijsenaars, S.  
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(2004) Advances in Mathematics, 187 (2), pp. 362-395. Cited 30 times.  
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A poisson summation formula for extensions of number fields  
(2000) Journal of the London Mathematical Society, 61 (1), pp. 36-50. Cited 1 time.  
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(1999) *Journal of the London Mathematical Society*, 60 (1), pp. 33-44. Cited 29 times.

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Costa, A., Friedman, E.

Ratios of regulators in totally real extensions of number fields

(1991) *Journal of Number Theory*, 37 (3), pp. 288-297. Cited 6 times.

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Friedman, E.

Analytic formulas for the regulator of a number field

(1989) *Inventiones Mathematicae*, 98 (3), pp. 599-622. Cited 41 times.

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The smallest arithmetic hyperbolic three-orbifold

(1986) *Inventiones Mathematicae*, 86 (3), pp. 507-527. Cited 30 times.

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