

cv – andreas o. bender

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work

- Independent researcher and visitor to the Department of Mathematics, University of Pavia 2013 – present.
- POSTECH South Korea, Jacobs University Bremen, contract lecturing positions 2010 – 2012.
- Université Paris 6, visiting researcher, October 2009 – January 2010.
- Korea Institute for Advanced Study, research fellow 2005 – 2009.
- Kyoto University, JSPS fellow 2003 – 2005.
- The Hebrew University of Jerusalem, Ben-Gurion University of the Negev, University of Padova, postdoctoral positions 2001 – 2003.
- University of Pavia. Doctoral Fellow, 2000.
- Supervising of undergraduates at the University of Cambridge 1992 – 1999.
- ETH Zurich, research assistant to Rudolf E. Kalman 1990 – 1991.

selected publications

- `crypt0` - encrypted short messages exchanged between offline computers, [link arxiv](https://arxiv.org/abs/1801.07800) (<https://arxiv.org/abs/1801.07800>) (2018).
- Visual cryptography on postage stamps, *acm newsletter SIGCAS Computers & Society* **45** (2015) 11–13.
- Representing an element in $\mathbf{F}_q[t]$ as the sum of two irreducibles, *Mathematika* **60** (2014) 166–182.
- Decompositions into sums of two irreducibles in $\mathbf{F}_q[t]$, *C.R. Acad. Sci. Paris Ser. I* **346** (2008) 931–934.

- A potential analogue of Schinzel's hypothesis for polynomials with coefficients in $\mathbf{F}_q[t]$, with Olivier Wittenberg, *Int. Math. Res. Not.* **36** (2005) 2237–2248, [link arxiv](http://arxiv.org/abs/math/0412303) (<http://arxiv.org/abs/math/0412303>).
- Solubility of certain pencils of curves of genus 1, and of the intersection of two quadrics in \mathbf{P}^4 , with Sir Peter Swinnerton-Dyer, *Proc. London Math. Soc.* **83** (2001) 299–329.
- Continued fractions versus Farey fractions, *Dr. Dobb's Journal* May 1996.

professional activities

Reviewer for Mathematical Reviews (MathSciNet) of the American Mathematical Society and for Zentralblatt (zbMATH Open).

education

- University of Cambridge, Ph.D. in Mathematics February 2001.
- University of Cambridge, Certificate of Advanced Study in Mathematics June 1992.
- ETH Zurich, Dipl. Ing. ETH in Electrical Engineering May 1990.
- Austrian Armed Forces, October 1984 – September 1985.