CURRÍCULUM VÍTAE NORMALIZADO

Tomasz Pełka
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GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA E INNOVACIÓN

FECYT
FUNDACIÓN ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGÍA

Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I am a post-doctoral fellow at the Basque Center for Applied Mathematics, working in affine algebraic geometry and singularity theory. My research concerns low-dimensional complex affine varieties, their automorphisms, embeddings and topology, which I study using logarithmic Minimal Model Program and its modifications, combined with surgeries and other topological tools. The main achievement of my PhD thesis is a classification of planar rational cuspidal curves satisfying certain Negativity Conjecture, which is a natural generalization of classical rigidity conjectures to the setting of birational geometry.

Tomasz Pełka

Surname(s):	**Pełka**
Name:	**Tomasz**
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ScopusID:	**57194634544**
ResearcherID:	**ABG-4569-2020**
Contact aut. region/reg.:	**Basque Country**

Current professional situation

Employing entity: ASOC BCAM - BASQUE CENTER FOR APPLIED MATHEMATICS
Start date: 01/09/2020
Type of contract: Grant-assisted student (pre or post-doctoral, others)

Previous positions and activities

	Employing entity	Professional category	Start date
1	University of Bern		01/09/2019
2	Polish Academy of Sciences		01/10/2015

1   **Employing entity:** University of Bern   **Type of entity:** University
     Start-End date: 01/09/2019 - 31/08/2020   **Duration:** 1 year

2   **Employing entity:** Polish Academy of Sciences   **Type of entity:** University Research Institute
     Start-End date: 01/10/2015 - 31/08/2019   **Duration:** 4 years

Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

1 **University degree:** Higher degree
Name of qualification: MSc in Mathematics
Degree awarding entity: Jagiellonian University   **Type of entity:** University
Date of qualification: 15/09/2015

2 **University degree:** Middle degree
Name of qualification: BSc in Mathematics
Degree awarding entity: Jagiellonian University in Kraków   **Type of entity:** University
Date of qualification: 31/08/2013

Doctorates

Doctorate programme: Mathematical Sciences
Degree awarding entity: Polish Academy of Sciences   **Type of entity:** University Research Institute
Date of degree: 24/10/2019

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1
Spanish					

Scientific and technological activities

Scientific production   5

Publications, scientific and technical documents

1 T. Pełka; P. Raźny. Classification of smooth factorial affine surfaces of Kodaira dimension zero with trivial units. 2020. Available on-line at: <arxiv.org/abs/2002.10995>.
Type of production: Scientific paper   **Format:** Journal

2 S. Kuroda; F. Kutzschebauch; T. Pełka. Linearization of holomorphic families of algebraic automorphisms of the affine plane. 2020. Available on-line at: <arxiv.org/abs/2008.11419>.
Type of production: Scientific paper   **Format:** Journal

3 K. Palka; T. Pe{\l}ka. Classification of planar rational cuspidal curves II. Log del Pezzo models. Proceedings of the London Mathematical Society. 120 - 5, pp. 642 - 703. 2019.
Type of production: Scientific paper   **Format:** Journal

4 K. Palka; T. Pełka. Classification of planar rational cuspidal curves I. C**-fibrations. Proceedings of the London Mathematical Society. 115 - 3, pp. 638 - 692. 2017.
Type of production: Scientific paper   **Format:** Journal