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## Motivation letter

Hereby, I apply for the position of assistant professor in mathematics in university of Jyväskylä.

I graduated as a qualified teacher of mathematics and physics on 9/2013. Since 2015, I have been lecturing a broad variety of mathematics courses in University of Eastern Finland (UEF). Recently, I have worked in two projects where I have made online materials for first year courses in mathematics.

During the online material projects, I developed an approach to produce dynamic 3D graphics via the JSXGraph Javascript library. The approach is currently being implemented in the JSXGraph core. Also, JSXGraph (and other such libraries) offer an efficient way to produce dynamic visualizations of planar mappings, e.g. complex analytic functions. I have presented this ongoing work in two conferences.

I completed my PhD in complex analysis on 6/2017. I have written several papers about differential equations in the unit disc of the complex plane, and a couple of papers about univalent functions. During my postdoc period 12/2018-7/2019, I studied the details of a paper about meromorphic functions (K. Yamanoi's - Zeros of higher derivatives of meromorphic functions in the complex plane, Proc. London Math. Soc. (3) 106 (2013) 703–780). Due to this experience, I am currently a second supervisor for one doctoral student at UEF.

I have been active in the university community and the society. In the UEF Doctoral Student Association, I established the UEFDSA newspaper journal. Since 2020, I am the editor-in-chief of Metodologia, a peer-reviewed international journal of methodology. Currently Metodologia is rated as JUFO1.

Your department does groundbreaking work on geometric analysis and would be a good place for me to develop my career as a researcher and teacher. I am also eager to work on your university's own online teaching platform TIM. I would like to work on the embedded visualizations where I have done progressive work.