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**Free-form application, Summer jobs at the Dept. of Mathematics and Systems Analysis**

**Briefly about me.** I am a teacher in mathematics and physics, and I have a PhD in mathematics. I have been making online materials in mathematics for two years.

**My interest for the job.** In the announcement, it is mentioned that also students doing their Bachelor’s degree can apply. Even though I already have a PhD, I am interested about the job. It is possible to work hard for three months and to familiarize with a research group and get connected with Aalto university.

**1) Preferred topics for the summer internship.**

I have a strong background in complex analysis, differential equations, linear algebra and making visualizations with JSXGraph. Hence, I find the following topics interesting, in this order.

**4. Mathematical analysis and PDEs
2. Topics in coding theory and course material development (kurssimateriaalin kehittäminen)
8. Quadrature design
9. Randomised linear algebra
11. Mathematical physics**

**2) Description of previous (summer) employment at the department.**

I have not worked in Aalto university before.

**3) Start and end dates of the internship.**

My current work contract ends on 31.5.2022. However, my holiday from the job starts already on 1.5.2022.

Perhaps working for 3 months starting from 1.6.2022 would be reasonable choice.

**Appendices.**

Please find attached my CV, list of publications, and my transcript, which I printed from my home page.