



To whom it may concern,

I am happy to provide this letter of recommendation in support of Ms. Anh Huyen Do, who is submitting an application to your esteemed program. As her physics professor and supervisor, I have known her for one year, she attended my courses as a physics student. Since September 2023 she has been working under my supervision on a research project. During that time, she has shown herself to be attentive and skillful in her performance and enthusiastic in her research efforts.

She is a remarkably gifted person with a wide range of abilities that immediately distinguish her from her peers. She always ranks among the top performers in her class. Ms. Anh Huyen Do has shown great interest in classes; she is a fast learner and often responds first in classes when solving problems. She has a good grasp of programming languages, specifically C language. She would often come up with unique ways to approach problems that are not always optimal but are very creative. She tends to go to the depth of any concept and understands it thoroughly.

She is very confident during exams as she strategically studies for the exams and competitions. In addition, she never says no to help her peers grasp difficult topics. As far as extracurricular activities are concerned, she participated in the organization of events of the International Student Union of our faculty. She does her best in any task given to her and perform them with perfection. Ms. Anh Huyen Do is also willing to take chances and put in long hours in the school to learn extra. She is friendly and ready to engage with others in conversations and endeavors.

Her research project is related to fracture processes of heterogeneous materials. Heterogeneity has the consequence that under an external load fracture proceeds in bursts of local breaking events. We study the dynamics and statistics of such crackling bursts using computer simulations. The material we consider is a kind of volcanic rock which contain veins of a stiffer component. We want to understand how the viscoelastic behaviour of softer components affects the cracking avalanches of the harder one. The results may be relevant to forecast the collapse of volcanic edifice. Participating in your summer program would be a great opportunity for her to broaden her knowledge and face new challenges.

I recommend the application of Ms. Anh Huyen Do very warmly.

Debrecen, March 18, 2024

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