

Timothy Caldwell

"Tim"



Graduate Institution: Northwestern University

Location: Evanston Illinois

Graduate Discipline: Controls

Hometown: Boulder Colorado

Research Interests:

My research interests lie in optimal controls. Currently, I've been working on switched system optimization, with an emphasis on quick execution for real-time application. A switched system is one that evolves over a set of continuous modes and switches between modes in a discrete manner.

Switched systems are often poorly represented as purely continuous or purely discrete, which is likely due to the vast theory supporting both continuous systems and discrete systems. With my research, I wish to further the field of switched systems such that they are more accessible to the controls community.

About me:

I received my Bachelor's and Master's degrees from the University of Colorado, Boulder and am currently conducting research at Northwestern University. I am undecided on whether to go to industry or stay in academia, but I enjoy teaching and expect that may influence my decision. Outside of academia, I spend much of my time bouldering and playing ultimate Frisbee.



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