Implementing Tensor Calc functions in Diderot: Clerp,Clamp, Lerp

Charisee Chiw

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Shorthand .
Diderot_Dev = https://github.com/cchiw/Diderot-Dev
Vis15 = vis15
Exs = https://github.com/cchiw/latte/
Doc = *Exs*/writeup/paper.pdf
dissertation = Chiw's dissertation

1 Overview

Functionality: **Clerp. Clamp and Lerp all in one**
Syntax: "clerp()"
tensor[i] $\times$ tensor[i] $\times$ real $\rightarrow$ tensor[i]
tensor[i] $\times$ tensor[i] $\times$ real$\times$ real$\times$ real $\rightarrow$ tensor[i]
Branch: *Diderot_Dev* & *Vis15*
Text: none
Issues: none
Examples: *Exs*/clerp/clerp3.diderot

Functionality: **Apply clamp to arbituary-sized tensors**
Syntax: "clamp()"
tty = tensor[α]
tty $\times$ tty $\times$ tty $\rightarrow$ tty
Branch: *Diderot_Dev* & *Vis15*
Text: none
Issues: none
Examples: *Exs*/clerp/clamp.diderot