

Workshop: Clemson and AIMS (African Institute for Mathematical Sciences)

May 31, 2024

Clemson / AIMS (Friday 31 May, 2024)

I'll be reading the chat, so feel free to ask any questions, and I'll pass them along to Kelie.

Baolahy Josaphat to Everyone 10:12 AM

Hi Everybody!

Andreana to Everyone 10:12 AM

Hi everyone

Felicia to Everyone 10:13 AM

Hello

You to Everyone 10:24 AM

Some great advice, Kelie! For everyone, here is her bio from our webpage:

<https://www.clemson.edu/science/academics/departments/mathstat/about/profiles/kmomoni>

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- 10am: **Kelie Momo Nizegha** (Cameroon)
- 10:30: **Elmar Lasa** (Madagascar)
- 11:00: **Maminirina Rafanomezantsoa** (Madagascar)
- 11:30: **Fabrice Razafimahatratra** (Madagascar)



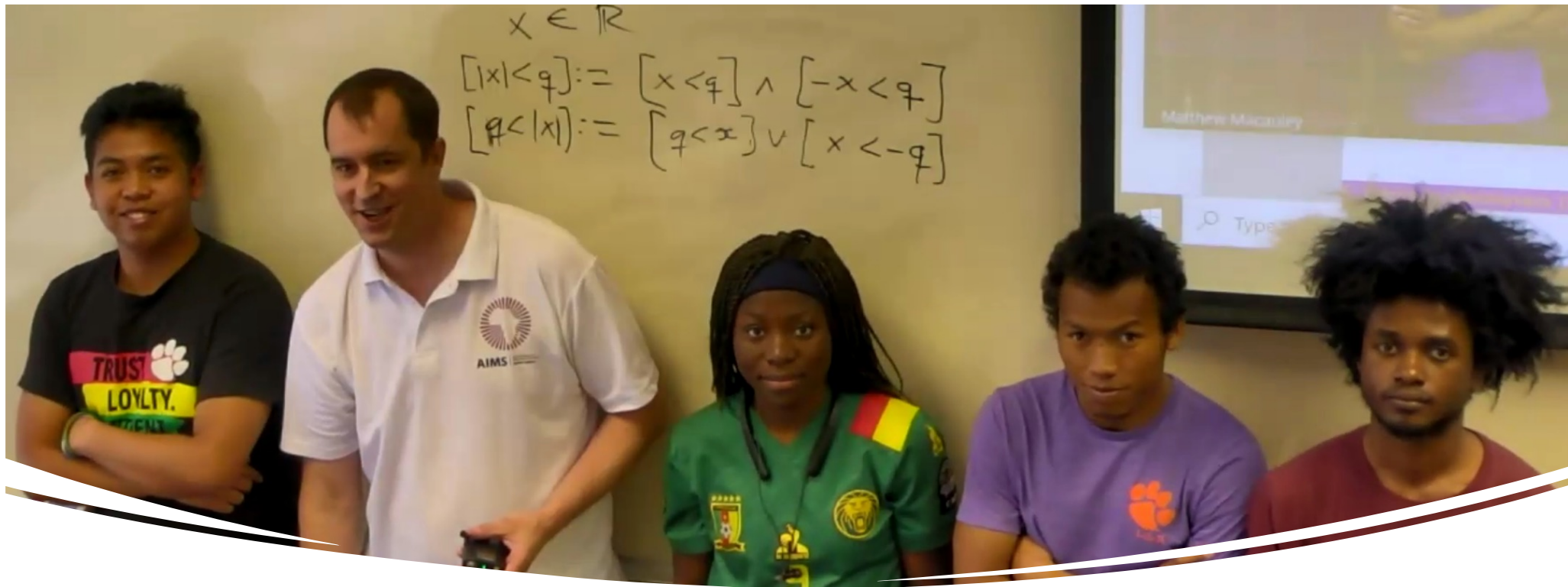


In \mathbb{R}^n , we know that
 $p \in \mathbb{R}^n$, then, with $h = (h_1, \dots, h_n)$,
$$df(p) \cdot h = \sum_{i=1}^n \frac{\partial f}{\partial x_i}(p) h_i = \nabla f(p) \cdot h$$

f is a function;
 $df(p)$ is a linear map acting on elements of \mathbb{R}^n .

[1. Calculus on Manifolds]#

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- 18 virtual participants
- Located in 3 countries (USA, South Africa, Madagascar)
- And at 4 universities (Clemson, African Institute of Math. Sci., Stellenbosch, Univ. Fianarantsoa)