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*Flutes, Megaflutes and Erosional Bedforms: A Fundamental Reappraisal*

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What are Flutes & Megaflutes?

- Erosional bedforms
- Observed in river floodplains to deep marine environments
- Form predominantly in mud rich cohesive sediments
The problems

**Flutes**
- can’t be used to infer flow conditions under which they formed

**Megaflutes**
- were not studied in the 1960’s & 1970’s
- are known to erode into non-cohesive sediments
- formative processes currently the centre of a hot debate
The problems

The questions

1. What flow conditions do classical flutes form under?
2. How do megaflutes form?
3. How are classical flutes related to megaflutes?

Are megaflutes actually “flutes”?
And…what am I going to do?

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