

PROPOSITIONS

VISUALIZATION OF DYNAMIC MULTIDIMENSIONAL AND HIERARCHICAL DATASETS

EDUARDO FACCIN VERNIER

1. Transforming abstract data into a useful picture is a hard problem. Transforming it into a useful *video* is even harder.
2. Visual quality and temporal stability are conflicting criteria.
3. Stability does not imply the absence of movement; it implies the correct amount of movement.
4. Dynamic projection quality is a mental challenge for it implies reasoning about the *derivative* of an already complex function that we do not fully understand – the static projection itself.
5. “*You can’t improve what you don’t measure.*” – Peter Drucker
6. “*To measure is to know.*” – Lord Kelvin