

Propositions

Accompanying the PhD Thesis

High Framerate Imaging of Ultrasound Contrast Agents

Jacopo Viti, January 20th 2016

1. High frame rate imaging of ultrasound contrast agents allows simultaneous depiction of contrast and blood flow by adding time resolution
- *this thesis*
2. Amplitude modulation versus pulse inversion: the worst one wins.
- *this thesis*
3. Wideband noise limits sensitivity to contrast more severely than the nonlinearities of the medium.
- *this thesis*
4. Bubble signals can be killed while leaving the bubbles alive and kicking.
- *this thesis*
5. Imaging blood with a conventional ultrasound scanner is still an exciting challenge.
- *this thesis*
6. Coherence is the antithesis of movement.
7. There are no wrong results, only wrong assumptions.
8. The sky is always blue above the Alps.
9. Spaghetti and chopsticks are both a puzzle many people find baffling.
10. The backside of a mirror is its most interesting face.
11. Every Florentine should follow Dante Alighieri's footsteps in visiting Hell, Purgatory and Heaven; a PhD trajectory leads you through each one of these realms.