

A transientanisotropic gradientenhanced damage model with displacement smoothing for failure analysis in quasibrittle materials

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Propositions

accompanying the dissertation

A transient-anisotropic gradient-enhanced damage model with displacement smoothing for failure analysis in quasi-brittle materials

by

Jafar AMANI DASHLEJEH

1. Smartness is the main criterion for doing decent research. It's a pity that this only works if one is motivated.
2. Besides the conservation of mass, momentum, and energy laws, the conservation of complexity also governs the development of a computational model. "This proposition pertains to this dissertation."
3. "What is the sin of wine if a fool drinks it?" (Avicenna (980 - 1037)). The above translated part of a poem means that an object can not always be a reason to approve or decline a subject/person and vice-versa.
4. A simple mathematical model doesn't always translate into a simple numerical implementation. "This proposition pertains to this dissertation."
5. Those who enjoy scientific research do not necessarily need a Ph.D. certificate.
6. A healthy and sustainable balance between personal life and research activities requires realistic expectations, clear boundaries, and prioritizing self-care.
7. To have a healthy research environment, the plagiarism check should start from top to bottom. Now, it starts from bottom to top.
8. As computational scientists, we should emphasize our role in the scientific field and stress how significant computational methods will be in the world's future.

These propositions are regarded as opposable and defensible, and have been approved as such by the promotor Prof. dr.ir. L.J. Sluys.