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WELL-POSEDNESS AND THE GLOBAL ATTRACTOR OF THE HIGHER-ORDER ANISOTROPIC CONSERVATIVE CAGINALP PHASE-FIELD SYSTEMS BASED ON THE MAXWELL-CATTANEO LAW

In memory of Clesh Deseskel Elion Ekohela

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Abstract. Our aim in this paper is to study higher-order anisotropic conservative Caginalp phase-field systems based on the Maxwell-Cattaneo law for heat condition. In particular, we obtain well-posedness results and study the dissipativity of the associated solution operators.

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