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Grain boundary stability in stripe configurations of non potential, pattern forming systems JORGE VINALS, ZHI-FENG HUANG, McGill University — We describe numerical solutions of nonpotential models of pattern formation in non equilibrium systems to address the motion of grain boundaries separating large domains of stripe configurations. One of the models allows for mean flows. Wavenumber selection at the boundaries, boundary instability, and defect formation and motion at the boundary are described as a function of the distance to onset.

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