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SHARP INTERFACE MODEL FOR SOLID-STATE DEWETTING PROBLEM WITH WEAK ANISOTROPIC SURFACE ENERGY

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We proposed a sharp interface model for solid-state dewetting problem with weak anisotropic surface energy. Instead of the traditional static boundary condition, we proposed a dynamic boundary condition to deal with the evolution of contact points. As to numerical simulation, we use front tracking method with explicit finite difference scheme based on cubic spline interpolation. At last, we present a series of two-dimensional simulation results.

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