

**ASYMPTOTIC LIMITS FOR THE FRACTIONAL ALLEN-CAHN
EQUATION AND STATIONARY NONLOCAL MINIMAL
SURFACES**

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I will describe an asymptotic result on the fractional Allen-Cahn equation involving the fractional laplacian. The limiting interface is a stationary nonlocal minimal surface. A striking phenomenon is a strong convergence result due to a geometric measure theory result by Marstrand.