



A CONVERGENCE RESULT FOR A MINIMIZING MOVEMENT SCHEME FOR MEAN CURVATURE FLOW WITH PRESCRIBED CONTACT ANGLE IN A CURVED DOMAIN

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Abstract. We consider a minimizing movement scheme of Chambolle-type for the mean curvature flow equation with prescribed contact angle condition in a smooth bounded domain in \mathbb{R}^d ($d \geq 2$). We prove that an approximate solution constructed by the proposed scheme converges to the level-set mean curvature flow with prescribed contact angle provided that the domain is convex and the contact angle is away from zero under some control of derivatives of given prescribed angle.

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