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*An explicit numerical method for evolving manifolds*

In this talk, a new method to represent the evolution of closed codimension-1 manifolds moving with prescribed speed is proposed. First, a quick survey of the current approaches used to solve this problem is presented. Based on these, it is then shown how to devise a numerical method that keeps track of the evolving manifold explicitly, even in the case of vanishing speed. To conclude, the efficiency and accuracy of the method is illustrated with examples.