

**ON THE APPROXIMATION  
OF UNSTABLE PARAMETRIC  
MINIMAL SURFACES**

*Gerhard Dziuk*<sup>1</sup>      *John E. Hutchinson*<sup>2</sup>

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Centre for Mathematics and its Applications  
Australian National University  
GPO Box 4, Canberra, ACT 0200,  
AUSTRALIA

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**Home Institutions:**

1. Institut für Angewandte Mathematik, Universität Freiburg,  
Hermann–Herder–Str. 10, D-79104 Freiburg i. Br., GERMANY  
email: gerd@mathematik.uni-freiburg.de
2. Department of Mathematics, School of Mathematical Sciences,  
Australian National University, GPO Box 4, Canberra, ACT 0200, AUSTRALIA  
email: John.Hutchinson@anu.edu.au

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**Abstract** We prove optimal convergence results for discrete approximations to (possibly unstable) minimal surfaces. This appears to be the first class of results of this type for geometric objects solving a highly non-linear geometric variational problem. We introduce a number of new techniques which we expect will be of use in other geometric problems. The theoretical approximation results are confirmed by numerical test computations.