

**Dokken, Tor; Kellermann, Hermann K.; Tegnander, Cathrine**

**An approach to weak approximate implicitization.** (English) [Zbl 0989.65020](#)

Lyche, Tom (ed.) et al., Mathematical methods for curves and surfaces. 5th international conference, Oslo, Norway, June 29 - July 4, 2000. Nashville, TN: Vanderbilt University Press. Innovations in Applied Mathematics. 103-112 (2001).

Summary: We present an approach for finding approximate implicitizations to a 2D-curve (or 3D-surface) using a weak formulation ( $L_2$ -norm). The corresponding numerical algorithm is presented, and the results are illustrated by numerical examples.

For the entire collection see [\[Zbl 0968.00046\]](#).

**MSC:**

[65D17](#) Computer-aided design (modeling of curves and surfaces)

Cited in **5** Documents

**Keywords:**

[computer aided geometric design](#); [implicit equation](#); [curve](#); [surface](#); [numerical examples](#)