ALEGBRA I - SUMMARY

YANNIS BÄHNI

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1. Planar Curves

DEFINITION 1.1. *Let $c : (a, b) \to \mathbb{R}^2$ be a regular curve. The* planar curvature κ *of c is defined to be*

$$\kappa(t) := \frac{\det\left(c'(t), c''(t)\right)}{\left\|c'(t)\right\|^3} \tag{1}$$

(Yannis Bähni) UNIVERSITY OF ZURICH, RÄMISTRASSE 71, 8006 ZURICH
E-mail address: yannis.baehni@uzh.ch.