JKU
JOHANNES KEPLER
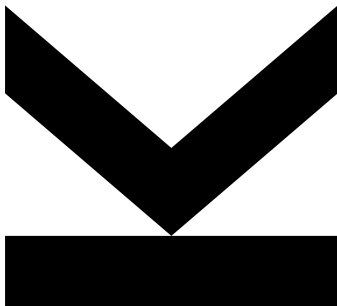## UNIVERSITY LINZ

Simon Grundner (k12136610)
Institute for Integrated Circuits and Quantum Computing

@ k12136610@students.jku.at

🌐 https://github.com/s-grundner/LVA-EIC-KV

October 20, 2025

Tiny Tapeout - MIDI Polyphonic Synthesizer

Technical Report

KV Entwurf Integrierter Schaltungen - WiSe25

IIC

JOHANNES KEPLER UNIVERSITY LINZ
Altenberger Straße 69
4040 Linz, Austria
jku.at

Abstract   MIDI Polyphonic Synthesizer on the Tiny Tapeout ASIC

Contents

1. Introduction

2. Oscillator Design

Simon Grundner (k12136610)