

Heterogenous Programming With SYCL

Srinath Kailasa *

University College London

October 14, 2020

Abstract

- Host and Kernel code in same source file
- SYCL Compiler for OpenCL, accelerated code passed onto device specific OpenCL compilers.
- Allows for programming across a range of vendor's hardware.
- Originally developed for use with OpenCL and SPIR, now a more general heterogenous framework

*srinath.kailasa.18@ucl.ac.uk