
DaCe

Release 0.10.0a

Jul 11, 2022

Contents

1	dace	3
1.1	dace package	3
1.2	diode package	9
2	Reference	11
	Python Module Index	13
	Index	15

DaCe: Data-Centric Parallel Programming framework.

1.1 dace package

1.1.1 Subpackages

dace.codegen package

Subpackages

dace.codegen.instrumentation package

Submodules

dace.codegen.instrumentation.gpu_events module

dace.codegen.instrumentation.papi module

dace.codegen.instrumentation.perfdb module

dace.codegen.instrumentation.provider module

dace.codegen.instrumentation.timer module

Module contents

dace.codegen.targets package

Submodules

dace.codegen.targets.cpu module

dace.codegen.targets.cuda module

dace.codegen.targets.framecode module

dace.codegen.targets.mpi module

dace.codegen.targets.target module

dace.codegen.targets.xilinx module

Module contents

Submodules

dace.codegen.codegen module

dace.codegen.codeobject module

dace.codegen.compiler module

dace.codegen.cppunparse module

dace.codegen.prettycode module

Module contents

dace.frontend package

Subpackages

dace.frontend.common package

Submodules

dace.frontend.common.op_repository module

Module contents

dace.frontend.octave package

Submodules

dace.frontend.octave.ast_arrayaccess module

dace.frontend.octave.ast_assign module

dace.frontend.octave.ast_expression module

dace.frontend.octave.ast_function module

dace.frontend.octave.ast_loop module

dace.frontend.octave.ast_matrix module

dace.frontend.octave.ast_node module

dace.frontend.octave.ast_nullstmt module

dace.frontend.octave.ast_range module

dace.frontend.octave.ast_values module

dace.frontend.octave.lexer module

dace.frontend.octave.parse module

dace.frontend.octave.parsetab module

Module contents

dace.frontend.python package

Submodules

dace.frontend.python.astnodes module

dace.frontend.python.astutils module

dace.frontend.python.decorators module

dace.frontend.python.ndloop module

dace.frontend.python.newast module

dace.frontend.python.parser module

dace.frontend.python.simulator module

dace.frontend.python.wrappers module

Module contents

dace.frontend.tensorflow package

Submodules

dace.frontend.tensorflow.tensorflow module

dace.frontend.tensorflow.winograd module

Module contents

Submodules

dace.frontend.operations module

Module contents

dace.graph package

Submodules

dace.graph.graph module

dace.graph.nodes module

Module contents

dace.sdfg package

Submodules

dace.sdfg.propagation module

dace.sdfg.scope module

dace.sdfg.sdfg module

dace.sdfg.utils module

dace.sdfg.validation module

Module contents

dace.transformation package

Subpackages

dace.transformation.dataflow package

Submodules

dace.transformation.dataflow.copy_to_device module

dace.transformation.dataflow.double_buffering module

dace.transformation.dataflow.gpu_transform module

dace.transformation.dataflow.gpu_transform_local_storage module

dace.transformation.dataflow.local_storage module

dace.transformation.dataflow.map_collapse module

dace.transformation.dataflow.map_expansion module

dace.transformation.dataflow.map_fission module

dace.transformation.dataflow.map_for_loop module

dace.transformation.dataflow.map_fusion module

dace.transformation.dataflow.map_interchange module

dace.transformation.dataflow.mapreduce module

dace.transformation.dataflow.matrix_product_transpose module

dace.transformation.dataflow.merge_arrays module

dace.transformation.dataflow.mpi module

dace.transformation.dataflow.redundant_array module

dace.transformation.dataflow.redundant_array_copying module

dace.transformation.dataflow.stream_transient module

dace.transformation.dataflow.strip_mining module

dace.transformation.dataflow.tiling module

dace.transformation.dataflow.vectorization module

Module contents

dace.transformation.interstate package

Submodules

dace.transformation.interstate.fpga_transform_sdfg module

dace.transformation.interstate.fpga_transform_state module

dace.transformation.interstate.gpu_transform_sdfg module

dace.transformation.interstate.loop_detection module

dace.transformation.interstate.loop_peeling module

dace.transformation.interstate.loop_unroll module

dace.transformation.interstate.sdfg_nesting module

dace.transformation.interstate.state_elimination module

dace.transformation.interstate.state_fusion module

dace.transformation.interstate.transient_reuse module

Module contents

dace.transformation.subgraph package

Submodules

dace.transformation.subgraph.expansion module

dace.transformation.subgraph.gpu_persistent_fusion module

dace.transformation.subgraph.helpers module

dace.transformation.subgraph.reduce_expansion module

dace.transformation.subgraph.subgraph_fusion module

Module contents

Submodules

dace.transformation.transformation module

dace.transformation.helpers module

dace.transformation.pattern_matching module

dace.transformation.optimizer module

dace.transformation.testing module

Module contents

1.1.2 Submodules

1.1.3 dace.config module

1.1.4 dace.data module

1.1.5 dace.dtypes module

1.1.6 dace.jupyter module

1.1.7 dace.memlet module

1.1.8 dace.properties module

1.1.9 dace.serialize module

1.1.10 dace.sdfg module

1.1.11 dace.subsets module

1.1.12 dace.symbolic module

1.1.13 Module contents

1.2 diode package

1.2.1 Subpackages

diode.db_scripts package

Submodules

`diode.db_scripts.db_setup` module

`diode.db_scripts.sql_to_json` module

`diode.db_scripts.sql_to_json_test` module

Module contents

1.2.2 Submodules

1.2.3 `diode.DaceState` module

1.2.4 `diode.abstract_sdfg` module

1.2.5 `diode.adjust_settings` module

1.2.6 `diode.config_ui` module

1.2.7 `diode.diode_client` module

DIODE client using a command line interface.

1.2.8 `diode.diode_server` module

1.2.9 `diode.remote_execution` module

1.2.10 `diode.sdfv` module

1.2.11 Module contents

CHAPTER 2

Reference

- `genindex`
- `modindex`

d

`diode`, [10](#)

`diode.diode_client`, [10](#)

D

`diode` (*module*), 10

`diode.diode_client` (*module*), 10