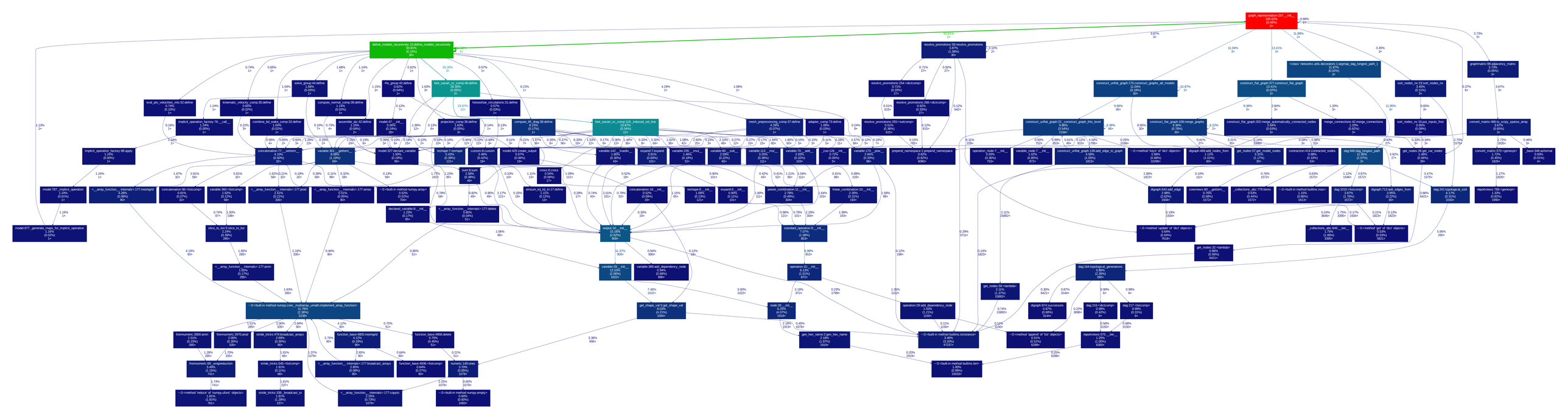
graph_representation:237__init__
100.00%
(0.48%)
3×
define_models_recursively:10.define_models_recursively
50.81%
(5.19%)
82×
resolve_promotions:58.resolve_promotions
3.87%
(1.08%)
30×
<class 'networkx.utils.decorator.argmap_diag_longest_path_1
11.87%
(0.02%)
3×
graphnamo:99.adjacency_matrix
3.73%
(0.05%)
3×
solve_group:44.define
1.68%
(0.02%)
1×
ifts_group:42.define
0.62%
(0.04%)
1×
slot_savart_vc_comp:65.define
26.30%
(0.20%)
3×
horsesnoe_clustatoms:31.define
0.57%
(0.02%)
1×
resolve_promotions:254.<dictcomp>
0.71%
(0.20%)
27×
resolve_promotions:256.<setcomp>
0.51%
(0.36%)
27×
construct_unfiat_graph:175.construct_graphs_all_models
11.04%
(0.18%)
3×
construct_flat_graph:377.construct_flat_graph
13.41%
(0.02%)
3×
sort_nodes_rx:23.sort_nodes_rx
3.45%
(0.12%)
3×
evd_pts_velocities_mm:52.define
0.74%
(0.16%)
1×
kinematic_velocity_comp:35.define
0.65%
(0.02%)
1×
compute_normal_comp:39.define
1.68%
(0.02%)
1×
implicit_operation_factory:76.__call__
1.24%
(0.02%)
1×
combine_bd_wake_comp:32.define
1.14%
(0.02%)
1×
assemble_ac:42.define
1.15%
(0.04%)
2×
model:47.__init__
0.68%
(0.24%)
26×
projection_comp:36.define
1.63%
(0.05%)
3×
compute_lift_drag:38.define
4.29%
(0.17%)
1×
slot_savart_vc_comp:119.induced_vel_line
21.97%
(0.54%)
12×
mesh_preprocessing_comp:37.define
4.29%
(0.07%)
1×
adapter_comp:73.define
1.06%
(0.03%)
1×
resolve_promotions:255.<setcomp>
0.51%
(0.36%)
27×
construct_unfiat_graph:21.construct_graph_this_level
9.86%
(3.56%)
2588×
construct_flat_graph:108.merge_graphs
9.36%
(0.78%)
30×
construct_flat_graph:202.merge_automatically_connected_nodes
2.84%
(0.43%)
3×
merge_connections:42.merge_connections
1.20%
(0.92%)
3×
sort_nodes_rx:16.put_inputs_first
0.65%
(0.09%)
3×
convert_matrix:466.to_scipy_sparse_array
3.67%
(0.65%)
3×
implicit_operation_factory:88.apply
1.24%
(0.04%)
1×
concatenation:77.__setitem__
4.10%
(0.02%)
32×
variable:301.__getitem__
8.18%
(1.02%)
128×
model:307.declare_variable
1.92%
(0.17%)
95×
reshape:7.reshape
5.43%
(0.15%)
101×
custom:8.custom
2.48%
(0.04%)
51×
model:425.create_output
0.67%
(0.06%)
3×
variable:142.__truediv__
1.86%
(0.02%)
32×
expand:7.expand
3.91%
(0.05%)
101×
variable:235.__mul__
1.46%
(0.16%)
52×
variable:90.__sub__
2.19%
(0.22%)
60×
variable:113.__mul__
3.25%
(0.21%)
111×
variable:70.__add__
2.93%
(0.20%)
103×
_cse:135.__init__
0.72%
(0.04%)
3×
variable:171.__pow__
2.34%
(0.20%)
90×
prepend_namespace:1.prepend_namespace
0.82%
(0.02%)
6060×
operation_node:7.__init__
0.50%
(0.50%)
753×
variable_node:7.__init__
1.32%
(0.02%)
872×
construct_unfiat_graph:139.add_edge_to_graph
4.58%
(1.02%)
1822×
<0-0>method 'keys' of 'dict' objects>
0.68%
(0.02%)
11096×
digraph:469.add_nodes_from
1.17%
(0.02%)
90×
get_nodes:57.get_model_nodes
1.31%
(0.17%)
30×
contraction:414.contracted_nodes
0.98%
(0.20%)
30×
dag:565.dag_longest_path
11.95%
(2.07%)
3×
get_nodes:35.get_var_nodes
1.46%
(0.50%)
30×
convert_matrix:370.<genexpr>
1.72%
(0.01%)
3825×
_base:348.asformat
0.59%
(0.01%)
6×
model:767.__implicit_operation
1.24%
(0.01%)
1×
<__array_function__.internals>:177.meshgrid
4.28%
(0.08%)
90×
concatenation:96.<listcomp>
0.61%
(0.07%)
32×
variable:360.<listcomp>
0.61%
(0.12%)
95×
<__array_function__.internals>:177.prod
2.61%
(0.21%)
355×
<__array_function__.internals>:177.amax
0.51%
(0.05%)
90×
<0-0>built-in method numpy.array>
0.52%
(0.52%)
704×
declared_variable:8.__init__
1.15%
(0.17%)
95×
<__array_function__.internals>:177.delete
0.85%
(0.04%)
51×
buffer3:sum
2.58%
(0.98%)
49×
cross:6.cross
0.54%
(0.06%)
17×
concatenation:18.__init__
0.52%
(0.09%)
19×
reshape:6.__init__
1.09%
(0.13%)
101×
expand:6.__init__
0.80%
(0.11%)
101×
power_combination:11.__init__
0.80%
(0.46%)
304×
linear_combination:10.__init__
2.30%
(0.31%)
193×
digraph:643.add_edge
2.88%
(0.82%)
1916×
coreviews:80.__getitem__
0.78%
(0.58%)
1572×
_collections_abc:779.items
0.63%
(0.44%)
1572×
<0-0>built-in method builtins.max>
1.15%
(0.86%)
1919×
dag:1010.<listcomp>
3.87%
(1.76%)
1572×
digraph:713.add_edges_from
1.95%
(3.22%)
40×
dag:241.topological_sort
6.17%
(0.31%)
3192×
reportviews:788.<genexpr>
1.32%
(0.82%)
1950×
model:977.__generate_maps_for_implicit_operation
1.16%
(0.02%)
1×
slice_to_list:5.slice_to_list
2.24%
(0.59%)
285×
output:10.__init__
15.16%
(2.67%)
906×
standard_operation:9.__init__
7.07%
(1.08%)
853×
<0-0>method 'update' of 'dict' objects>
0.64%
(0.54%)
7615×
get_nodes:32.<lambda>
0.86%
(0.56%)
6421×
_collections_abc:849.__iter__
1.76%
(1.06%)
3365×
<0-0>method 'get' of 'dict' objects>
0.53%
(0.53%)
5821×
<__array_function__.internals>:177.amin
1.86%
(0.17%)
285×
variable:29.__init__
12.53%
(2.06%)
3552×
variable:389.add_dependency_node
0.94%
(0.68%)
890×
operation:15.__init__
6.13%
(1.51%)
872×
dag:164.topological_generations
5.86%
(2.35%)
295×
get_nodes:59.<lambda>
2.11%
(1.37%)
1985×
<0-0>built-in method numpy.core._multiarray_umath.implement_array_function>
11.78%
(2.36%)
2236×
get_shape_val:5.get_shape_val
8.03%
(4.21%)
1994×
node:26.__init__
6.25%
(4.07%)
1919×
operation:29.add_dependency_node
1.43%
(1.21%)
1550×
digraph:874.successors
0.87%
(0.68%)
3144×
dag:216.<dictcomp>
0.99%
(0.47%)
6×
dag:217.<listcomp>
0.99%
(0.31%)
6×
frommumeric:2800.amin
1.51%
(0.23%)
285×
frommumeric:2970.prod
2.00%
(0.30%)
335×
stride_tricks:479.broadcast_arrays
2.69%
(0.30%)
90×
function_base:4805.meshgrid
4.12%
(0.29%)
90×
function_base:4958.delete
0.75%
(0.45%)
51×
gen_hex_name:2.gen_hex_name
2.18%
(1.97%)
1919×
<0-0>built-in method builtins.isinstance>
3.46%
(0.20%)
4723×
<0-0>method 'append' of 'list' objects>
0.51%
(0.51%)
6250×
reportviews:579.__iter__
1.25%
(1.00%)
6300×
frommumeric:69.__wrapreduction
1.48%
(0.17%)
761×
stride_tricks:545.<listcomp>
1.51%
(0.17%)
66×
<__array_function__.internals>:177.broadcast_arrays
2.69%
(0.30%)
90×
function_base:4936.<listcomp>
0.94%
(0.30%)
90×
numeric:149.ones
2.37%
(0.85%)
1079×
<0-0>built-in method builtins.len>
1.00%
(0.99%)
19033×
<0-0>method 'reduce' of 'numpy.ufunc' objects>
1.48%
(1.81%)
761×
stride_tricks:181.broadcast_to
1.48%
(1.28%)
237×
<__array_function__.internals>:177.copyto
2.35%
(0.73%)
1079×
<0-0>built-in method numpy.empty>
2.37%
(0.60%)
1083×