

Traceback (most recent call last)

```
in <module>:5
    2 model = torch.compile(model, backend="hpu_backend")
    3
    4 for epoch in trange(1, 171):
    5     train()
    6     train_acc, train_loss, _ = test(train_loader)
    7     test_acc, test_loss, test_table = test(test_loader, create_table=True)
    8

in train:15
    12
    13     for data in train_loader: # Iterate in batches over the training dataset.
    14         data = data.to(device)
    15         out = model(data.x, data.edge_index, data.batch) # Perform a single forward pas
    16         loss = criterion(out, data.y) # Compute the loss.
    17         loss.backward() # Derive gradients.
    18         optimizer.step() # Update parameters based on gradients.

/usr/local/lib/python3.10/dist-packages/torch/nn/modules/module.py:1556 in _wrapped_call_impl
    1553         if self._compiled_call_impl is not None:
    1554             return self._compiled_call_impl(*args, **kwargs) # type: ignore[misc]
    1555         else:
    1556             return self._call_impl(*args, **kwargs)
    1557
    1558     def _call_impl(self, *args, **kwargs):
    1559         forward_call = (self._slow_forward if torch._C._get_tracing_state() else self.fo

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    1563                 or _global_backward_pre_hooks or _global_backward_hooks
    1564                 or _global_forward_hooks or _global_forward_pre_hooks):
    1565             return forward_call(*args, **kwargs)
    1566
    1567         try:
    1568             result = None

/usr/local/lib/python3.10/dist-packages/torch/_dynamo/eval_frame.py:433 in _fn
    430         )
    431
    432         try:
    433             return fn(*args, **kwargs)
    434         finally:
    435             # Restore the dynamic layer stack depth if necessary.
    436             torch._C._functorch.pop_dynamic_layer_stack_and_undo_to_depth(

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    1566
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    1568             result = None

in forward:18
    15
    16     def forward(self, x, edge_index, batch):
    17         # 1. Obtain node embeddings
    18         x = self.conv1(x, edge_index)
    19         x = x.relu()
    20         x = self.conv2(x, edge_index)
    21         x = x.relu()

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1566 |
1567 |         try:
1568 |             result = None
```

/usr/local/lib/python3.10/dist-packages/torch_geometric/nn/conv/gcn_conv.py:241 in forward

```
238 |         if isinstance(edge_index, Tensor):
239 |             cache = self._cached_edge_index
240 |             if cache is None:
241 |                 edge_index, edge_weight = gcn_norm( # yapf: disable
242 |                     edge_index, edge_weight, x.size(self.node_dim),
243 |                     self.improved, self.add_self_loops, self.flow, x.dtype)
244 |             if self.cached:
```

/usr/local/lib/python3.10/dist-packages/torch_geometric/nn/conv/gcn_conv.py:241 in torch_dynamo_resume_in_forward_at_241

```
238 |         if isinstance(edge_index, Tensor):
239 |             cache = self._cached_edge_index
240 |             if cache is None:
241 |                 edge_index, edge_weight = gcn_norm( # yapf: disable
242 |                     edge_index, edge_weight, x.size(self.node_dim),
243 |                     self.improved, self.add_self_loops, self.flow, x.dtype)
244 |             if self.cached:
```

/usr/local/lib/python3.10/dist-packages/torch/_dynamo/eval_frame.py:600 in _fn

```
597 |     def _fn(*args, **kwargs):
598 |         prior = set_eval_frame(callback)
599 |         try:
600 |             return fn(*args, **kwargs)
601 |         finally:
602 |             set_eval_frame(prior)
603 |
```

/usr/local/lib/python3.10/dist-packages/torch/_functorch/aot_autograd.py:987 in forward

```
984 |         full_args = []
985 |         full_args.extend(params_flat)
986 |         full_args.extend(runtime_args)
987 |         return compiled_fn(full_args)
988 |
989 |     # Just for convenience
990 |     forward.zero_grad = mod.zero_grad
```

/usr/local/lib/python3.10/dist-packages/torch/_functorch/_aot_autograd/runtime_wrappers.py:204 in runtime_wrapper

```
201 |         if isinstance(args[idx], torch.Tensor):
202 |             args[idx] = args[idx].detach()
203 |         with torch.autograd.force_original_view_tracking(True):
204 |             all_outs = call_func_at_runtime_with_args(
205 |                 compiled_fn, args_, disable_amp=disable_amp, steal_args=True
206 |             )
207 |     else:
```

/usr/local/lib/python3.10/dist-packages/torch/_functorch/_aot_autograd/utils.py:120 in call_func_at_runtime_with_args

```
117 |     context = torch._C._DisableAutocast if disable_amp else nullcontext
118 |     with context():
119 |         if hasattr(f, "_boxed_call"):
120 |             out = normalize_as_list(f(args))
121 |         else:
122 |             # TODO: Please remove soon
123 |             # https://github.com/pytorch/pytorch/pull/83137#issuecomment-1211320670
```

/usr/local/lib/python3.10/dist-packages/torch/_functorch/_aot_autograd/utils.py:94 in g

```
91 |
92 | def make_boxed_func(f):
93 |     def g(args):
94 |         return f(*args)
95 |
96 |     g._boxed_call = True # type: ignore[attr-defined]
97 |     return g
```

/usr/local/lib/python3.10/dist-packages/torch/autograd/function.py:574 in apply

```
571 |         if not torch._C._are_functorch_transforms_active():
572 |             # See NOTE: [functorch vjp and autograd interaction]
573 |             args = _functorch.utils.unwrap_dead_wrappers(args)
574 |             return super().apply(*args, **kwargs) # type: ignore[misc]
575 |
576 |         if not is_setup_ctx_defined:
```

```

577 | | | | raise RuntimeError(

/usr/local/lib/python3.10/dist-packages/torch/_functorch/_aot_autograd/runtime_wrappers.py:1451
in forward

1448 | | | | # (*tokens, *mutated_inputs, *fw_outs, *fw_intermediate_bases, *saved_te
1449 | | | | # - Note that in the synthetic bases case, mutated_inputs will correspon
1450 | | | | # of the original view, and not the synthetic base
> 1451 | | | | fw_outs = call_func_at_runtime_with_args(
1452 | | | |     CompiledFunction.compiled_fw,
1453 | | | |     args,
1454 | | | |     disable_amp=disable_amp,

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/usr/local/lib/python3.10/dist-packages/torch/_functorch/_aot_autograd/runtime_wrappers.py:451
in wrapper

448 | | | | runtime_metadata.num_forward_returns,
449 | | | | )
450 | | | | return out
> 451 | | | | return compiled_fn(runtime_args)
452 | | | |
453 | | | | return wrapper
454 | | | |

/usr/local/lib/python3.10/dist-packages/torch/_functorch/_aot_autograd/utils.py:94 in g

91
92 def make_boxed_func(f):
93     def g(args):
> 94         return f(*args)
95
96     g._boxed_call = True # type: ignore[attr-defined]
97     return g

/usr/local/lib/python3.10/dist-packages/torch/fx/_lazy_graph_module.py:124 in _lazy_forward

121 | | | | # call `__call__` rather than 'forward' since recompilation may
122 | | | | # install a wrapper for `__call__` to provide a customized error
123 | | | | # message.
> 124 | | | | return self(*args, **kwargs)
125 | | | |
126 | forward = _lazy_forward
127 |

/usr/local/lib/python3.10/dist-packages/torch/fx/graph_module.py:738 in call_wrapped

735 | | | | cls._wrapped_call = _WrappedCall(cls, cls_call) # type: ignore[attr-defined]
736 | | | |
737 | | | | def call_wrapped(self, *args, **kwargs):
> 738 | | | |     return self._wrapped_call(self, *args, **kwargs)
739 | | | |
740 | | | | cls.__call__ = call_wrapped # type: ignore[method-assign]
741 | | | |

/usr/local/lib/python3.10/dist-packages/torch/fx/graph_module.py:316 in __call__

313 | | | | )
314 | | | |     raise e.with_traceback(None) # noqa: B904
315 | | | | else:
> 316 | | | |     raise e
317 |
318 @compatibility(is_backward_compatible=True)
319 class GraphModule(torch.nn.Module):

/usr/local/lib/python3.10/dist-packages/torch/fx/graph_module.py:303 in __call__

300 | | | | if self.cls_call is not None:
301 | | | |     return self.cls_call(obj, *args, **kwargs)
302 | | | | else:
> 303 | | | |     return super(self.cls, obj).__call__(*args, **kwargs) # type: ignore[mi
304 | | | | except Exception as e:
305 | | | |     assert e.__traceback__
306 | | | |     topmost_framesummary: traceback.FrameSummary = (

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1555 | | | | else:
> 1556 | | | |     return self._call_impl(*args, **kwargs)

```

```

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1566 |
1567 |         try:
1568 |             result = None
in forward:6

/usr/local/lib/python3.10/dist-packages/torch/_ops.py:667 in __call__

664 |     def __call__(self_, *args, **kwargs): # noqa: B902
665 |         # use `self_` to avoid naming collide with aten ops arguments that
666 |         # are named "self". This way, all the aten ops can be called by kwargs.
> 667 |         return self_.op(*args, **kwargs)
668 |
669 |     def redispatch(self_, keyset, *args, **kwargs): # noqa: B902
670 |         # use `self_` to avoid naming collide with aten ops arguments that

```

RuntimeError: [Rank:0] FATAL ERROR :: MODULE:PT_EAGER HabanaLaunchOpPT Run returned exception....
 synNodeCreateWithId failed for node: concat with synStatus 1 [Invalid argument]. .
 [Rank:0] Habana exception raised from add_node at graph.cpp:507