Function holoscan::utils::transmit_data_per_model

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- Defined in File holoinfer_utils.hpp

Function Documentation

gxf_result_t holoscan::utils::transmit_data_per_model(gxf_context_t &cont, const HoloInfer::MultiMappings &model_to_tensor_map, HoloInfer::DataMap &input_data_map, OutputContext &op_output, std::vector<std::string> &out_tensors, HoloInfer::DimType &tensor_out_dims_map, bool cuda_buffer_in, bool cuda_buffer_out, const nvidia::gxf::Handle<nvidia::gxf::Allocator> &allocator_, const std::string &module, CudaStreamHandler &cuda_stream_handler)

Transmits multiple buffers via GXF Transmitters.

Parameters

- **context** – GXF context for transmission
- **model_to_tensor_map** – Map of model name as key, mapped to a vector of tensor names
- **input_data_map** – Map of tensor name as key, mapped to the data buffer as a vector
- **op_output** – Output context
- **out_tensors** – Output tensor names
- **data_per_model** – Map is updated with output tensor name as key mapped to data buffer
- **tensor_out_dims_map** – Map is updated with model name as key mapped to dimension of output tensor as a vector
- **cuda_buffer_in** – Flag to demonstrate if memory storage of input buffers is on CUDA
- **cuda_buffer_out** – Flag to demonstrate if memory storage of output message is on CUDA
- **allocator** – GXF Memory allocator

- **module** – Module that called for data transmission
- **cuda_stream_handler** – Cuda steam handler

Returns

GXF result code