Function holoscan::calc_strides

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- Defined in File tensor.hpp

Function Documentation

void holoscan::calc_strides(const DLTensor &tensor, std::vector<int64_t> &strides, bool to_num_elements = false)

Fill strides from the given DLTensor object.

The following fields are used to fill strides:

- ndim
- shape
- dtype

If tensor's strides is nullptr, `strides` argument is filled with the calculated strides of the given DLTensor object. Otherwise, `strides` argument is filled with the given DLTensor object's strides. `strides` vector would be resized to the size of `ndim` field of the given DLTensor object.

Parameters

- **tensor** – DLTensor object that holds information to fill strides.
- **strides** – **[out]** Strides to fill.
- **to_num_elments** – If true, the strides in `strides` argument are in number of elements, not bytes (default: false).