#pragma once

#include <twml/defines.h>

#include <twml/Tensor.h>

#ifdef \_\_cplusplus

namespace twml {

TWMLAPI void linearInterpolation(

Tensor output,

const Tensor input,

const Tensor xs,

const Tensor ys);

TWMLAPI void nearestInterpolation(

Tensor output,

const Tensor input,

const Tensor xs,

const Tensor ys);

TWMLAPI void mdlInfer(

Tensor &output\_keys,

Tensor &output\_vals,

const Tensor &input\_keys,

const Tensor &input\_vals,

const Tensor &bin\_ids,

const Tensor &bin\_vals,

const Tensor &feature\_offsets,

bool return\_bin\_indices = false);

}

#endif

#ifdef \_\_cplusplus

extern "C" {

#endif

TWMLAPI twml\_err twml\_optim\_nearest\_interpolation(

twml\_tensor output,

const twml\_tensor input,

const twml\_tensor xs,

const twml\_tensor ys);

TWMLAPI twml\_err twml\_optim\_mdl\_infer(

twml\_tensor output\_keys,

twml\_tensor output\_vals,

const twml\_tensor input\_keys,

const twml\_tensor input\_vals,

const twml\_tensor bin\_ids,

const twml\_tensor bin\_vals,

const twml\_tensor feature\_offsets,

const bool return\_bin\_indices = false);

#ifdef \_\_cplusplus

}

#endif