

4 hls4ml/templates/vivado/nnet_utils/nnet_sepconv2d.h

```

@@ -49,8 +49,8 @@ void depthwise_conv_2d_cl(
49 49
50 50     template <class data_T, class dw_res_T, class res_T, typename CONFIG_T>
51 51     void separable_conv_2d_cl(
52 -     data_T data[CONFIG_T::in_height * CONFIG_T::in_width * CONFIG_T::n_chan],
53 -     res_T res[CONFIG_T::out_height * CONFIG_T::out_width * CONFIG_T::n_filt],
52 +     data_T data[CONFIG_T::depthwise_config::in_height * CONFIG_T::depthwise_config::in_width *
CONFIG_T::depthwise_config::n_chan],
53 +     res_T res[CONFIG_T::pointwise_config::out_height * CONFIG_T::pointwise_config::out_width *
CONFIG_T::pointwise_config::n_filt],
54 54     typename CONFIG_T::depthwise_config::weight_t depthwise_weights[CONFIG_T::depthwise_config::filt_height *
CONFIG_T::depthwise_config::filt_width * CONFIG_T::depthwise_config::n_chan],
55 55     typename CONFIG_T::pointwise_config::weight_t pointwise_weights[CONFIG_T::pointwise_config::n_chan *
CONFIG_T::pointwise_config::n_filt],
56 56     typename CONFIG_T::depthwise_config::bias_t depthwise_biases[CONFIG_T::depthwise_config::n_chan],

```