Step 1: Fix vector and lws_y
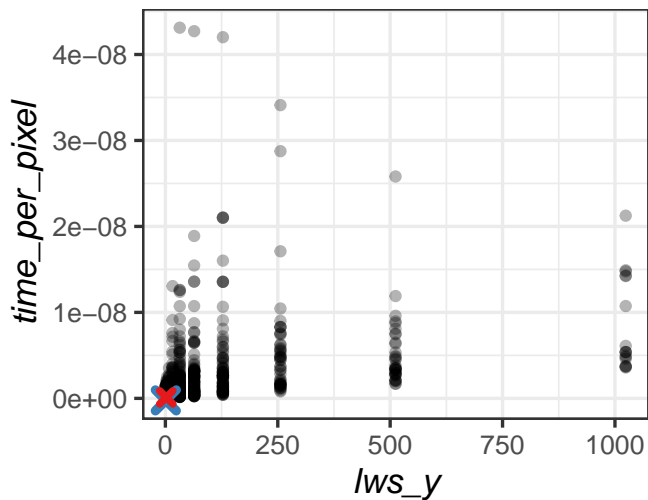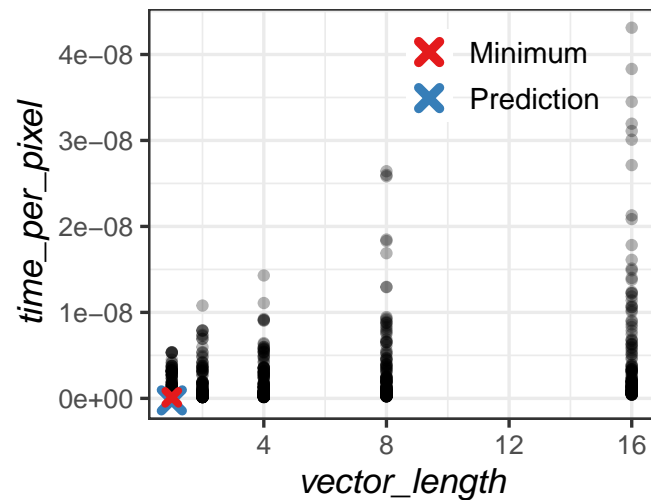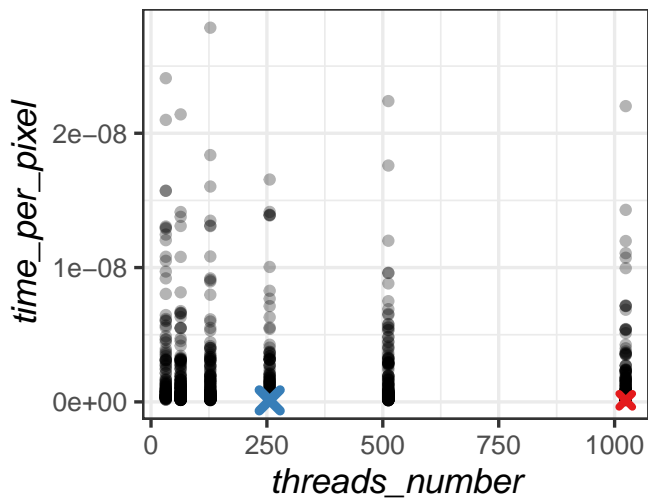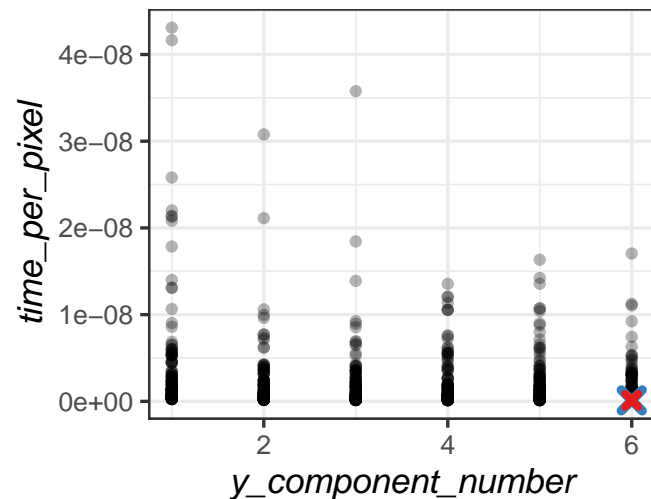
Step 2: Fix y_cmp. and threads

Step 3: Fix elements