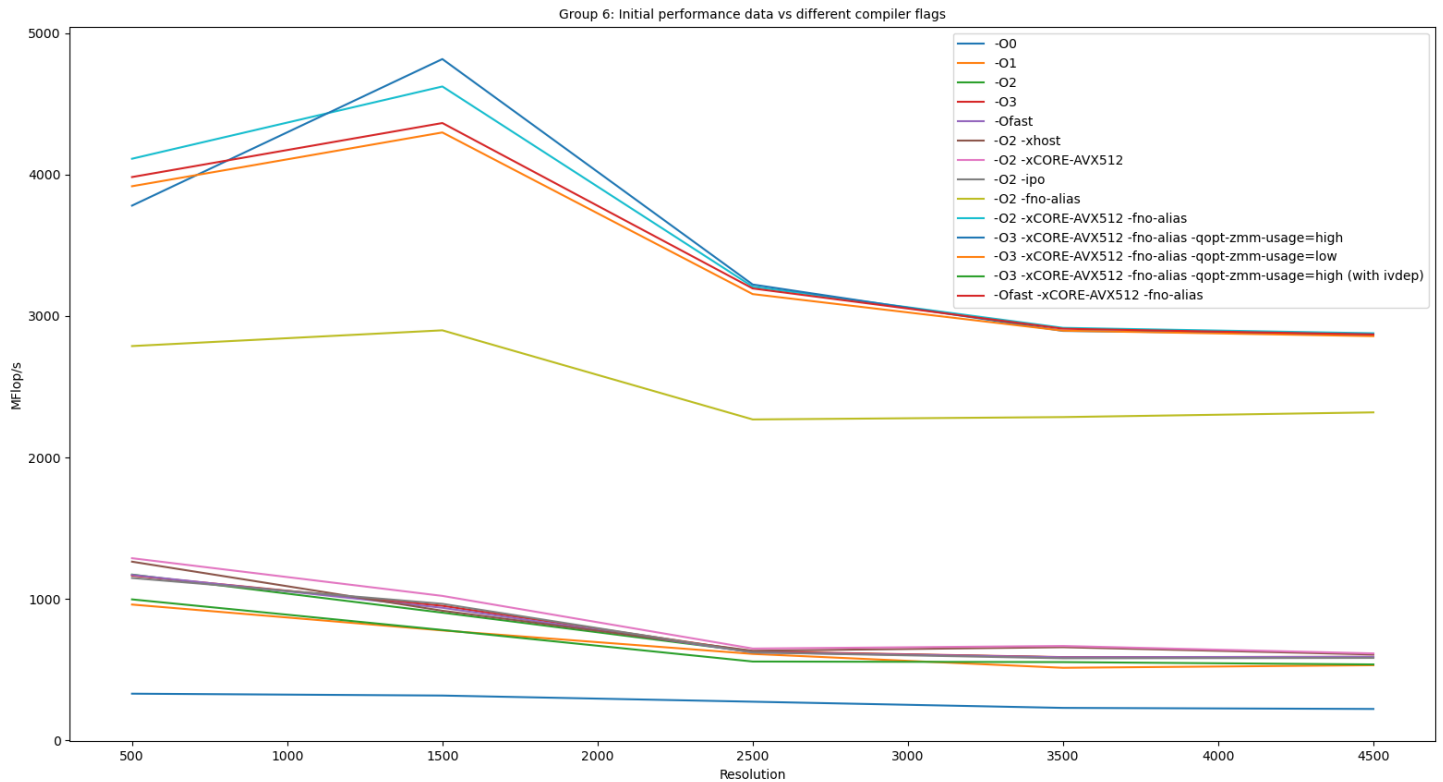


## GROUP 6 Results

**Graph 1:**



As shown in the above graph, the performance of -O2/O3/Ofast -xCORE-AVX512 -fno-alias -qopt-zmm-usage=high was found to be quite similar, especially in the higher resolutions. Thus, for the Graph 2, we decided to run the code with each of the three flags multiple times in order to find the best of them. We found the best performance with the -Ofast variant and proceeded further to create Graph 2.

**Graph 2:**

CFLAGS = -Ofast -xCORE-AVX512 -fno-alias -qopt-zmm-usage=high

