This is the Introduction file to the ECE5578 Homework 4 Submission, Spring 2020 for Matthew Kayrish. This submission package contains the following files.

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| **This File** | This is the Table of Contents for the submission. |
| **ECE5578\_HW4\_Report.pptx** | This is the final presentation of the results of HW4. |
| **HW4.docx** | The word document of Homework 4. |
| **runHW4P3.m** | This MATLAB script will load the Frame 2 ‘.jpeg’ images to compare the SSIM Map. |
| **Beauty.mp4, Bosphorus.mp4**  **Beauty3I.mp4, Bosphorus3I.mp4**  **Beauty3P.mp4, Bosphorus3P.mp4** | These are the HEVC Encoded video files that were created as a result of HW4. |
| **BeautyOriginal2.jpg, BosphorusOriginal2.jpg, BeautyI2.jpg, BosphorusI2.jpg,**  **BeautyP2.jpg, BosphorusP2.jpg** | These are the image files of frame 2 that were generated to compare the SSIM Maps for Problem 3 of Homework 4. |
| **logBeautyINTRA.csv, logBosphorusINTRA.csv, logBeautyIPPPP.csv, logBosphorusIPPPP.csv, logBeautyIvP.csv, logBosphorusIPPPP.csv** | These are the log files that were generated as part of the encoding scheme from x265/HEVC encoding of the 30 frames using the INTRA Only Scheme and the IPPPP Scheme. The last log files are those that were created when Frame 2 was extracted to evaluate for the SSIM. |
| **qp.txt, qp3.txt** | These are the quantization parameter files that were read in for each of the frames to be encoded. |