This is the Introduction file to the ECE5578 Homework 32 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\_HW2\_Report.pptx** | This is the final presentation of the results of HW3. |
| **HW3.docx** | The word document of Homework 3. |
| **Foreman\_yuv\_150.png**  **Foreman\_yuv\_151.png**  **Foreman\_yuv\_152.png** | This three PNG files of the foreman that is used for this assignment. |
| **runHW3Prob1a.m**  **runHW3Prob1b.m**  **runHW3Prob1c.m**  **runHW3Prob2.m** | These are the MATLAB files for doing Homework 3. They are each uniquely tailored to address the needs of each problem. Each will address a various aspect of Motion Estimation. |
| **FastDiamoneSearch.pdf** | This is the paper that the Fast Diamond Algorithm is based on. It is critical for Problem t. |