MIT CSAIL

6.8300/1 Advances in Computer Vision

Spring 2023

Problem Set 7 - Part I

Posted: Tuesday, Apr 18, 2023   **Due:** Thursday 11:59 pm, Apr 27, 2023

Pset 7 - Part I will ask you to write a project progress report, while Pset 7 - Part II (released Apr 25) will have two (fairly straightforward) problems to solve, one on Texture Synthesis and one on Stable Diffusion. The progress report will be worth $\frac{1}{3}$ of your Pset 7 grade.

Submission Instructions: Please submit one single PDF on Canvas. If you are part of a team, you should write your progress report together and **only one of you** should submit the PDF. In that case, please list both partners' names and MIT Kerberos IDs (if you have one) in the PDF.

Late Submission Policy: Since for some of you the progress report is a team effort and because we want to encourage everyone to submit on time so that we can provide feedback sooner rather than later, you **cannot use grace days** for the progress report. If you do submit late, the regular late policy applies: If you submit within 7 days (rounding up) of the original deadline, you will receive partial credit. Such submissions will be penalized by a multiplicative coefficient that linearly decreases from 1 to 0.5.

Problem 1 *Project Progress Report*

The progress report should be around $1 - 2$ pages, including a sketch of abstract, introduction, related work, the proposed method (as rigorous as possible), what you have done so far, such as any data setup and preprocessing steps you have completed, experiments you have run, results you have produced, and finally your plan for the next few weeks. It should be in CVPR format.

The goal of the progress report is not to stress you out but to encourage you to work on your project and to help you organize your thoughts and results. If you have not run any experiments yet and have not produced any results so far, that is okay too but please be sure to explain in detail the experiments you are planning on running. Writing a progress report can provide you with a clearer picture of the state of your project and help you make plans for the remainder of the term. Most importantly, the content of your progress report will ultimately form a significant part of your project report and thus will save you time at the end of the term. We will review your progress reports and provide you with some feedback.

Note to 6.8301 students: The progress report can and should serve as a revision of your proposal draft, building upon your previous work while sharing how far you've come in the meantime. It therefore should also incorporate the feedback you received for your proposals from the CI-M instructors. Similar to the proposals, the CI-M instructors will review your progress reports and provide you with additional feedback.