## Marked exercises, lecture 10

YOUR SCIPER ID

**2.10.8 [6 points]** Analyse the impact of skipping time steps during the generation process (generation of images with reverse diffusion process). Provide your hypothesis of how this might influence the final output. Write if the results met your expectations and why. (150 words max)

*Your answer here.*

**2.10.9 [8 points]** The training of Denoising Diffusion Probabilistic Models often replaces the loss with a simplification of the loss, DDPM (see [the original](https://arxiv.org/abs/2006.11239) paper). Explain how this simplified objective relates to and why it is considered a valid alternative. (250 words max)

*Note: When you make a statement, you need to ensure that it is supported with an academic resource. Even though you use ChatGPT for understanding the theory, you need to support the claims with* ***peer-reviewed academic*** *resources. Standard referencing practices apply. Use IEEE referencing style. Not referencing a used source will be penalised.*

*Your answer here.*

**Link to ChatGPT conversation:** *Your link here.*

**References**

*Use IEEE referencing style.*