

## Magda's technical notes on diffusion

Last update: January 15, 2025

This is another set of my technical notes on various ML topics. I started writing the 1st set when beginning my PhD, the 2nd set when starting my PostDoc, the 3d when starting as a professor and I have discovered, that forcing myself to take time and write these is extremely useful. All of the technical notes are available in my GitHub repo <https://github.com/mgswiss15/technotes>.

This is a working document not meant to be polished. There may be typos and other editing errors. Technical errors mean that I didn't quite understand something which I unfortunately cannot rule out.

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## 1 Comparison DDPM vs DDIM