



Text



Recommend



Generator



Our Music Playlists

Music is our Life:

MuLife 

Music Generator

With Riffusion AI Model





Mad Scientist
who loves
HipHop





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3:15min

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3:15min



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Our Music Playlists

01



Riffusion ?

What is Riffusion Model ?



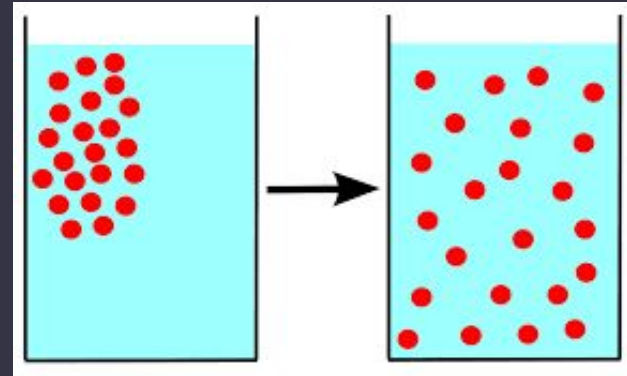
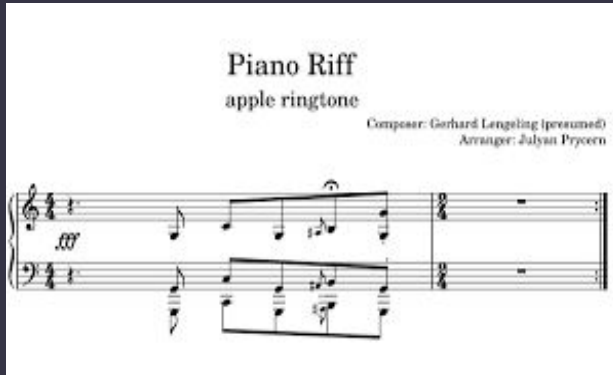
Riffusion =



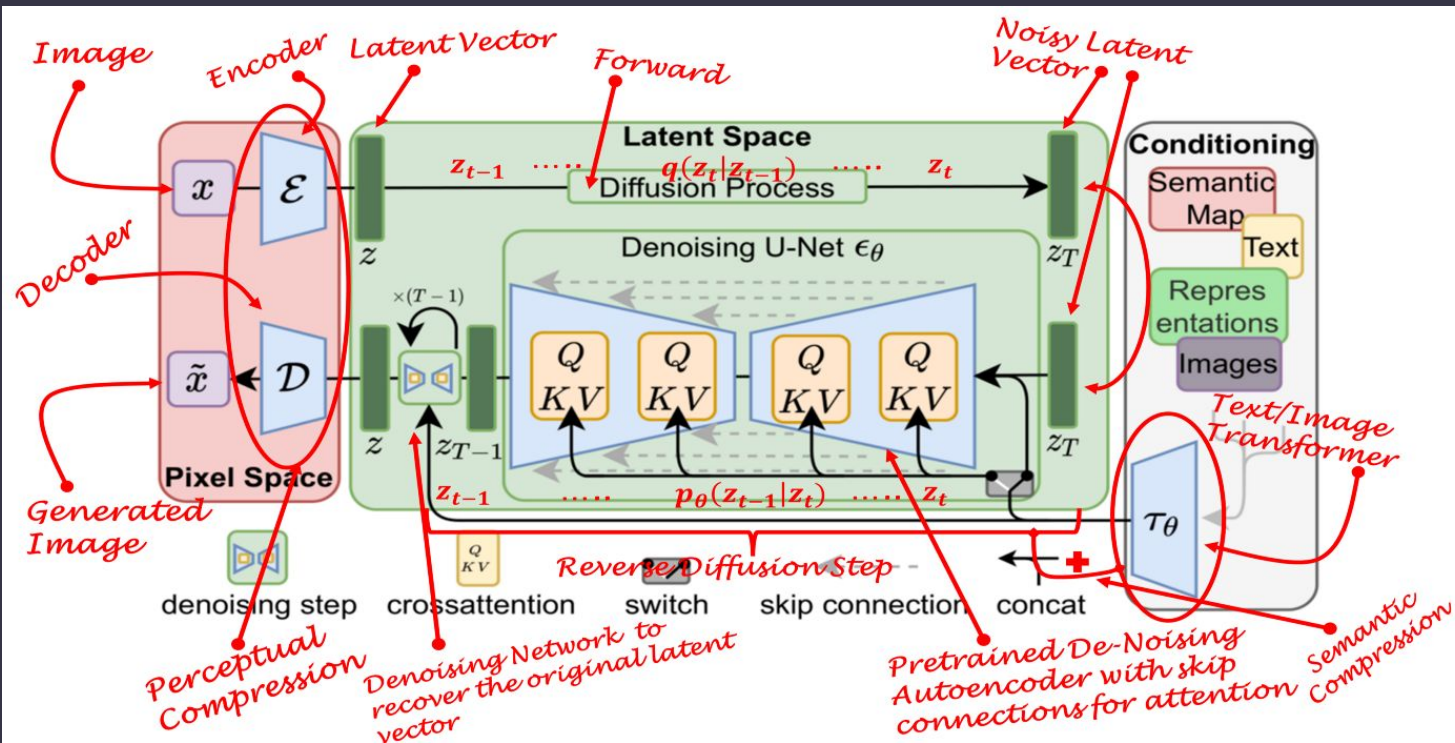
Riff

+

Diffusion



Stable Diffusion





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02



Develop & Logic

Using Tools & Process

Logic

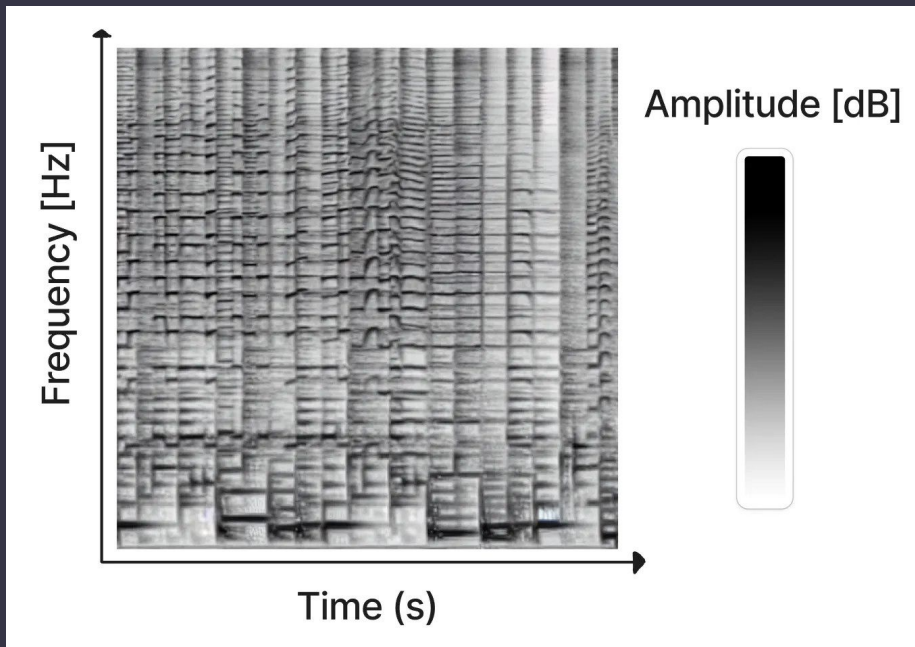
- Text

- Spectrogram

- Music(Audio)



Spectrogram



Pair

Follow

Text - Spectrogram

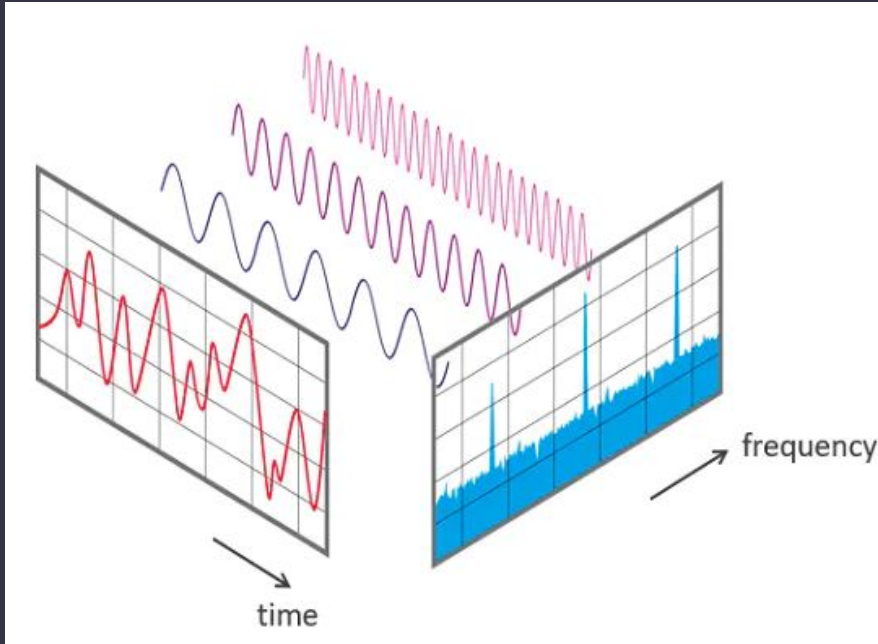
Transform

Follow

Switching Seed,
Generate Inf.



Music



STFT

Follow

Short-time-Fourier
-transform

Sine Waves

Follow

Amplitudes and
Phase

Style

Follow

Invertible, Can be
reconstructed



Tools



GitHub

<https://github.com/riffusion/riffusion>

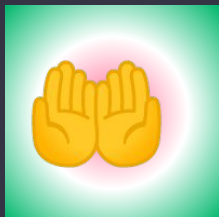
3:15



Hugging Face

<https://huggingface.co/riffusion/riffusion-model-v1>

3:20



Colab

GPU, Cuda, Transformer ,,, etc

3:10





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03



Simulation

Simulation - Riffusion



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<https://colab.research.google.com/drive/1a4tRBfZObk9qer0tNZBLrV9OKkHe9FzL?usp=sharing>

— Colab





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04



Due to Final

Plans for Final



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Music

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Recommendation AI

With KAGGLE DATASET
& Colab

[https://www.kaggle.com/datasets/
geomack/spotifyclassification](https://www.kaggle.com/datasets/geomack/spotifyclassification)



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Thanks!

Do you have any questions?



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