



Intuitive Prompting Vol 1

Prompt Engineering Research paper

Stable diffusion 2022



This is a EBW:Productions Paper intended for educational purposes

Intuitive Prompting

This method of art generation involves reverse prompting and iterative subtraction

Definitions:

Reverse prompting: Using only the negative prompts to achieve a more defined image

Iterative subtraction: using negative prompt to remove unwanted visual features

1. Add random numbers and letters into the prompt, this will feed in source data in the form of an intuitive image. (an image you made by typing random numbers and letter)
2. Continue with negative prompts to generate your images

Note* all negative prompts will be encased in ((())) to denote subtraction

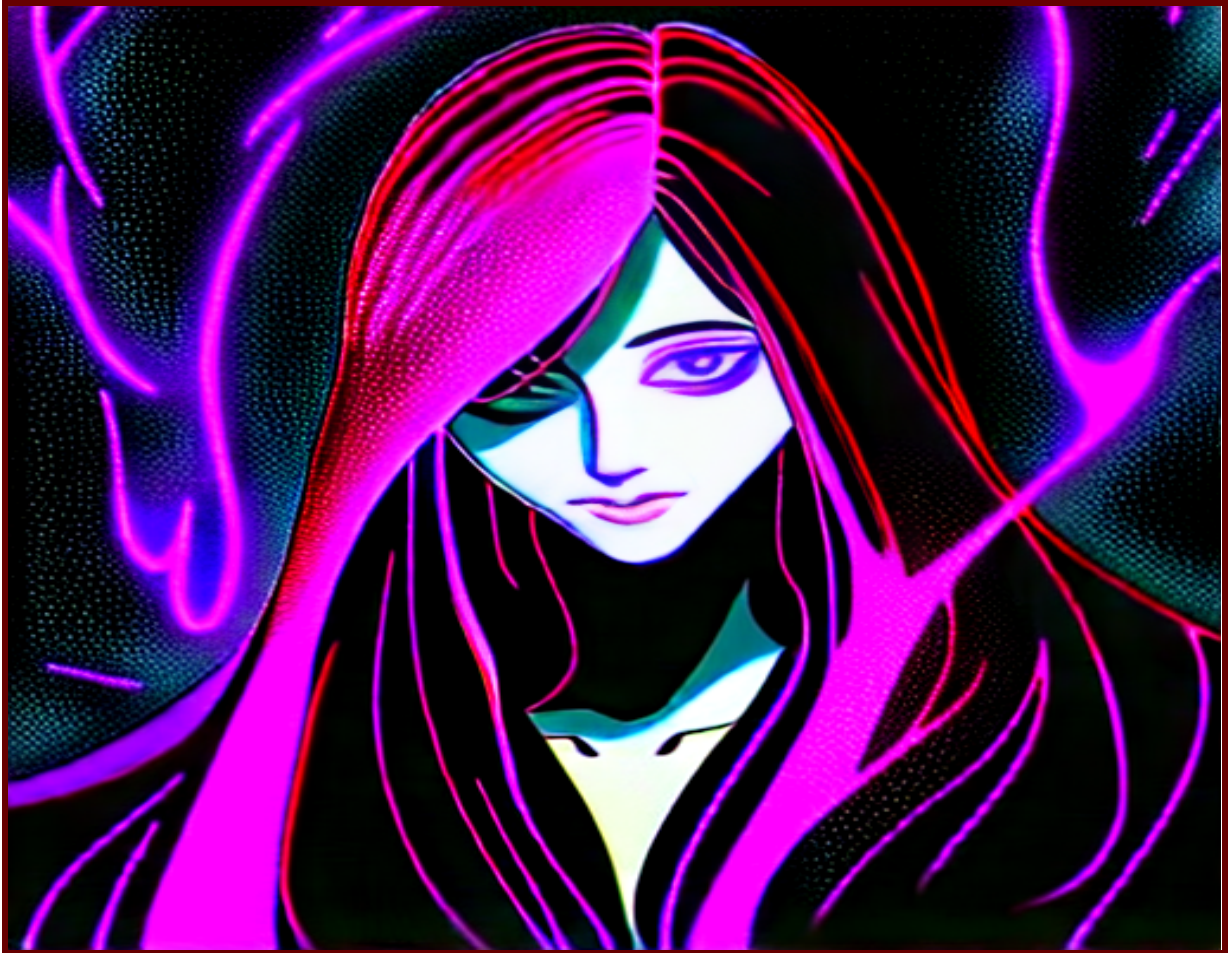
In stable diffusion the ai is intelligent and ((())) means “no”

Therefore (((fused fingers))) is interpreted as no fused fingers

User advisory : This method may create images NSFW, indagering to children or disturbing.

Recommended starting negative prompt:(((CHILD))),(((CHIBI))),(((LOLI)))

Initial Prompt:



DIGITAL ART 6541651681loveGDF681651681651, (OIL PAINTED
384GFDZGDsoftyH168168UY),
KJMHF168wealth1681321851,HJHG816honor351684D5F),
1J8616516DFG8H16GFH, 5646168G1respectD6F1G648F

Negative Prompt:(((CHILD))),(((CHIBI))),(((LOLI)))

Results:

I noticed that the hair looked painted. Was this oil painted string in reference to the hair and background? so my first adjustment was to see if my assumption was corrected. I added the word "blue" into the (oil painted.....) section



DIGITAL ART 6541651681loveGDF681651681651,(OIL PAINTED blue
384GFDZGDsaftyH168168UY),
KJMHF168wealth1681321851,HJHG816honor351684D5F),
1J8616516DFG8H16GFH, 5646168G1respectD6F1G648F

Negative Prompt:(((CHILD))),(((CHIBI))),(((LOLI)))

Results:

I was correct and now the subtractive process could begin.
As a side note, the string after "DIGITAL ART" is in reference to the skin by deductive reasoning.

From here I entered my first subtractive prompt.



DIGITAL ART 6541651681loveGDF681651681651,(OIL PAINTED blue
384GFDZGDsoftyH168168UY),
KJMHF168wealth1681321851,HJHG816honor351684D5F),
1J8616516DFG8H16GFH, 5646168G1respectD6F1G648F

NEGATIVE PROMPT:((((CHILD))),((((letters))),((((LOLI))),((((artifact))), (((grain))),
(((blur))), (((high contrast))),

Results:

I noticed blur and unwanted hair placement, amongst other unwanted traits, So i told the ai "no" with this next prompt.

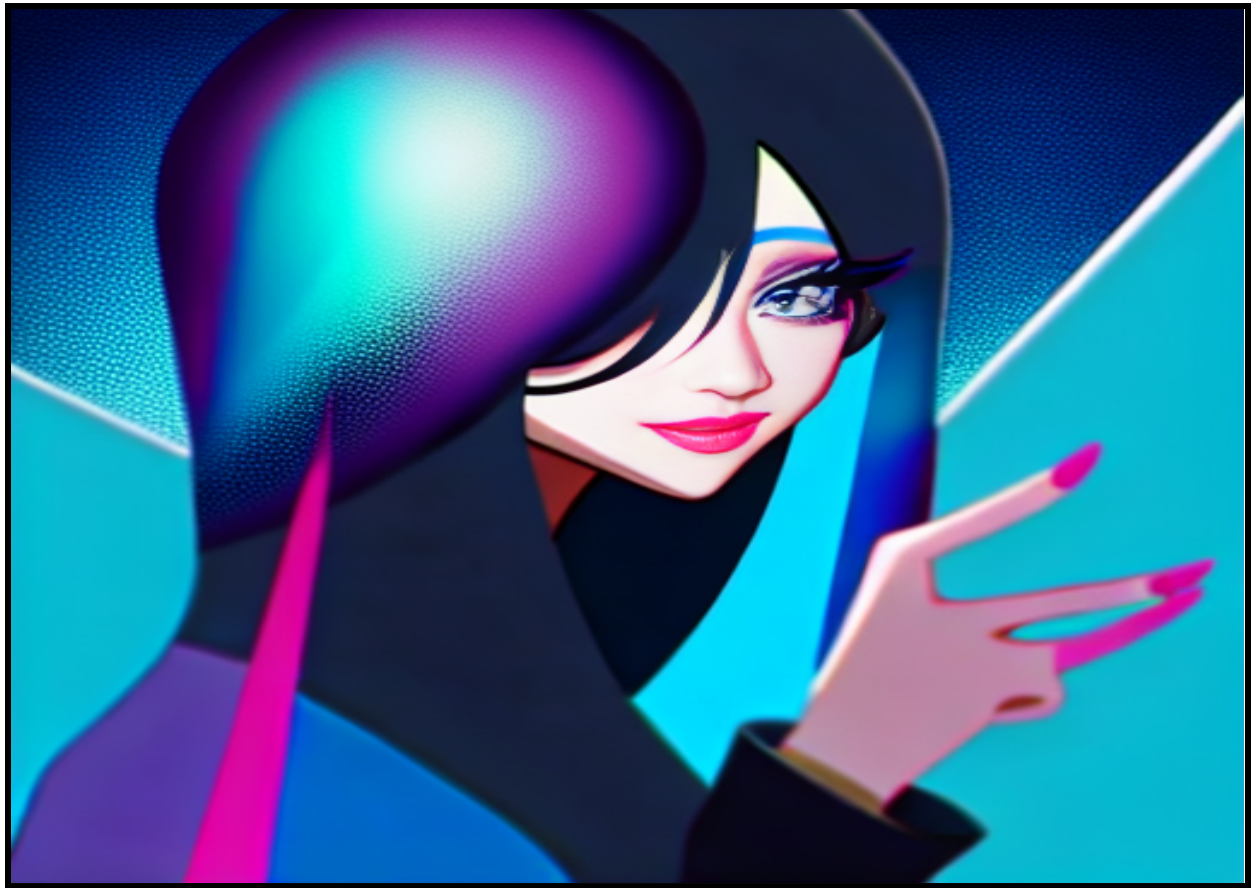


DIGITAL ART 6541651681loveGDF681651681651,(OIL PAINTED **blue**
384GFDZGDsoftyH168168UY),
KJMHF168wealth1681321851,HJHG816honor351684D5F),
1J8616516DFG8H16GFH, 5646168G1respectD6F1G648F

Negative: (((CHILD))),(((letters))),(((LOLI))),(((artifact))), ((grain))), (((blur))),
(((high contrast))), (((undetailed hair))), (((hair in face))), ((white skin)),
(((unfocused)))

Results:

Solid improvement, I really like the cloth around her back, But i had to tell the ai no "improper nose anatomy".



DIGITAL ART 6541651681loveGDF681651681651,(OIL PAINTED **blue**
384GFDZGDsaftyH168168UY),
KJMHF168wealth1681321851,HJHG816honor351684D5F),
1J8616516DFG8H16GFH, 5646168G1respectD6F1G648F

Negative: (((CHILD))),(((letters))),(((LOL))),((artifact)), ((grain)), (((blur))),
(((high contrast))), ((undetailed hair)), ((hair in face)), ((white skin)),
(((unfocused))), (((improper face anatomy))), (((Undetailed Hair behind neck))),
(((Undetailed chest))) ((Undetailed clothing))

Results:

Nice... immediately I want to subtract the hands but not before i appreciate this generation



Negative:

(((CHILD))),(((letters))),(((LOLI))),(((artifact))), ((grain)), (((blur))), ((high contrast)), ((undetailed hair)), ((hair in face)), ((white skin)), (((unfocused))), (((improper face anatomy))), (((Undetailed Hair behind neck))), (((Undetailed chest))), (((Undetailed clothing))), (((improper hand anatomy))), (((four fingers))), (((more then five fingers))), (((Hair lacking detail)))

Results:

Awesome, now I messed around until I realized I needed to do something with this disembodied head.

I will skip some iterations to show you my final results.



Negative: (((CHILD))),(((letters))),(((LOLI))),((artifact)), ((grain)), (((blur))),
(((high contrast))), ((undetailed hair)), ((hair in face)), ((white skin)),
(((unfocused))), ((improper face anatomy)), (((Undetailed Hair behind neck))),
(((Undetailed chest))), ((Undetailed clothing))), ((improper hand anatomy))), ((
four fingers))), ((more then five fingers))), ((Hair lacking detail))),(((merging
foreground and background))), ((disembodied head)), (((Unfocused Pupils))),
(((unfocused iris))), ((no two fingers))), (Sharp Jaw Line), (((background
gradient))), ((TEETH))), ((TWISTING FINGERS))), ((UGLY))),(((HARD LIGHT))),
(((SOLO))), ((PALE SKIN))) ((ANIME))), ((MANGA))), ((IDLE POSE)))

Results:

Once I made it here I knew I was Almost done with this journey.



Final Negative prompt: (((CHILD))),(((letters))),(((LOLI))),(((artifact))), ((grain)),
(((blur))), ((high contrast)), ((undetailed hair)), ((hair in face)), ((white skin)),
(((unfocused))), ((improper face anatomy)), ((Undetailed Hair behind neck)),
(((Undetailed chest))), ((Undetailed clothing)), ((improper hand anatomy)), ((
four fingers))), ((more than five fingers))), ((Hair lacking detail))),(((merging
foreground and background))), ((disembodied head)), ((Undetailed Pupils)),
(((no two fingers))), (Sharp Jaw Line), ((background gradient)), ((TEETH)),
(((TWISTING FINGERS))), ((UGLY))),(((HARD LIGHT))), ((SOLO))), ((PALE SKIN))
(((ANIME))), ((MANGA))), ((IDLE POSE))),(undetailed FACE),(((undetailed eyes))),

Results:

It's a cool art deco French style piece
After some trial and error I generated this image with the prompt above.

It's cool but I noticed a better one in between generation steps.

Steps: 16



Steps: 18



Steps: 20



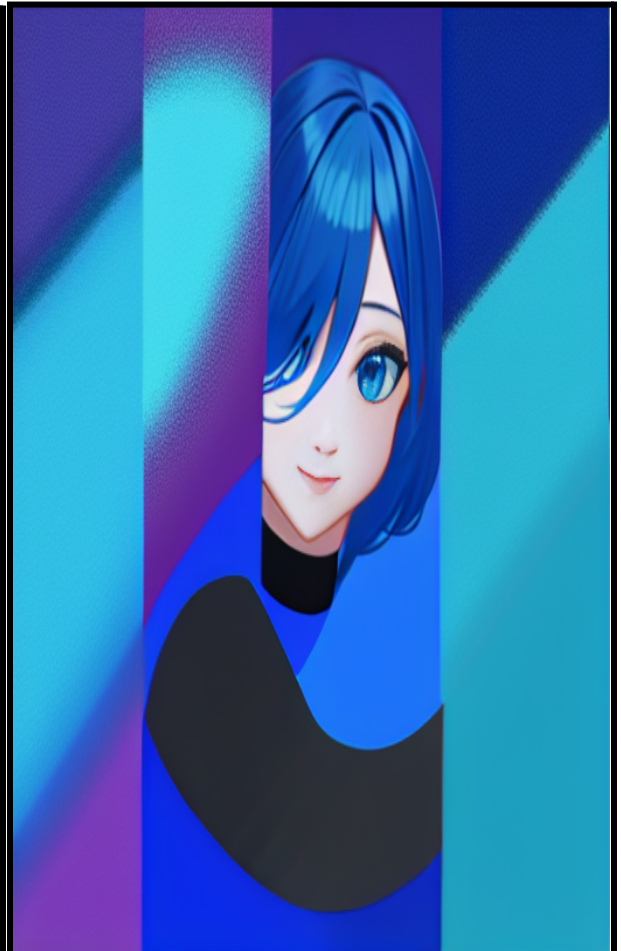
Results:

This is when I realized hires.fix makes a duplicate of all your steps, essentially 2 pictures every step. I turned it off and made the step chart above.

Step 18



Step 20



ALL Generations were made with the following settings

Steps: 20, Sampler: Euler a, CFG scale: 11, Seed: 1933366399, Size: 512x512,
Model hash: 925997e9, Denoising strength: 0.75, First pass size: 512x512

Prompt: DIGITAL ART 6541651681loveGDF681651681651,(OIL PAINTED blue
384GFDZGDsaftyH168168UY),
KJMHF168wealth1681321851,HJHG816honor351684D5F),
1J8616516DFG8H16GFH, 5646168G1respectD6F1G648F

Final Negative prompt: (((CHILD))),(((letters))),(((LOL))),(((artifact))), ((grain)),
(((blur))), ((high contrast)), ((undetailed hair)), ((hair in face)), ((white skin)),
(((unfocused))), ((improper face anatomy)), ((Undetailed Hair behind neck)),
(((Undetailed chest))), ((Undetailed clothing)), ((improper hand anatomy)), ((
four fingers))), ((more than five fingers)), ((Hair lacking detail)),(((merging
foreground and background))), ((disembodied head)), ((Undetailed Pupils)),
(((no two fingers))), (Sharp Jaw Line), ((background gradient)),(((TEETH))),
(((TWISTING FINGERS))), ((UGLY)),(((HARD LIGHT))), ((SOLO)),
(((PALE SKIN))) ((ANIME))), ((MANGA))), ((IDLE POSE)),(undetailed
FACE),(((undetailed eyes))),

Steps: 20, Sampler: Euler a, CFG scale: 11, Seed: 1933366399, Size: 512x512,
Model hash: 925997e9

Last bit...

I created this:



With this
Prompt:

546541354H1GDF654HS54S6G541FG5J1F86JH1ADF1H5KYWS5T1H6GH,16N6S1
HN6RTH16TS1H6TR1JY61HG65168H476GF4B65,1N681N6GF51HRT1HN65H16B16
1B,161N6J6Y4JS32H15ST4HSGLKJVHFJKFG,F65H46SH48TR1HR

Empty Negative:

Steps: 10, Sampler: Euler a, CFG scale: 7, Seed: 1933366399, Size: 512x512,
Model hash: 925997e9, Denoising strength: 0.75, First pass size: 512x512

Hi res.fx - on
Face retire - on