

DESIGN ISSUES WITH EVERYDAY THINGS

APPLE PENCIL 2

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Course : HUMAN COMPUTER INTERACTION [D]

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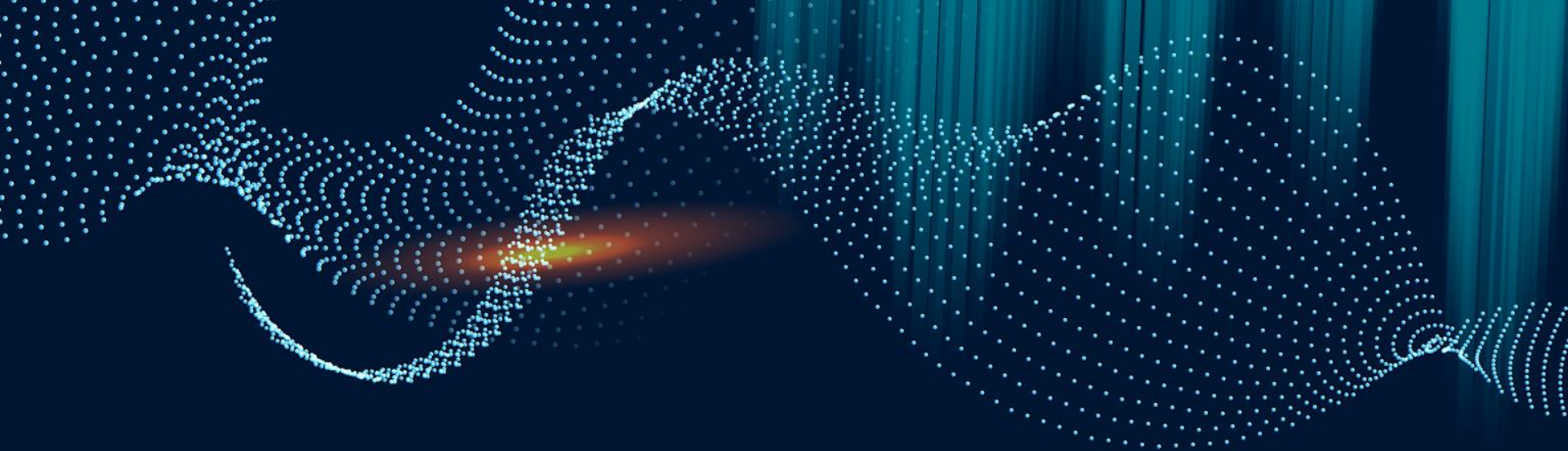
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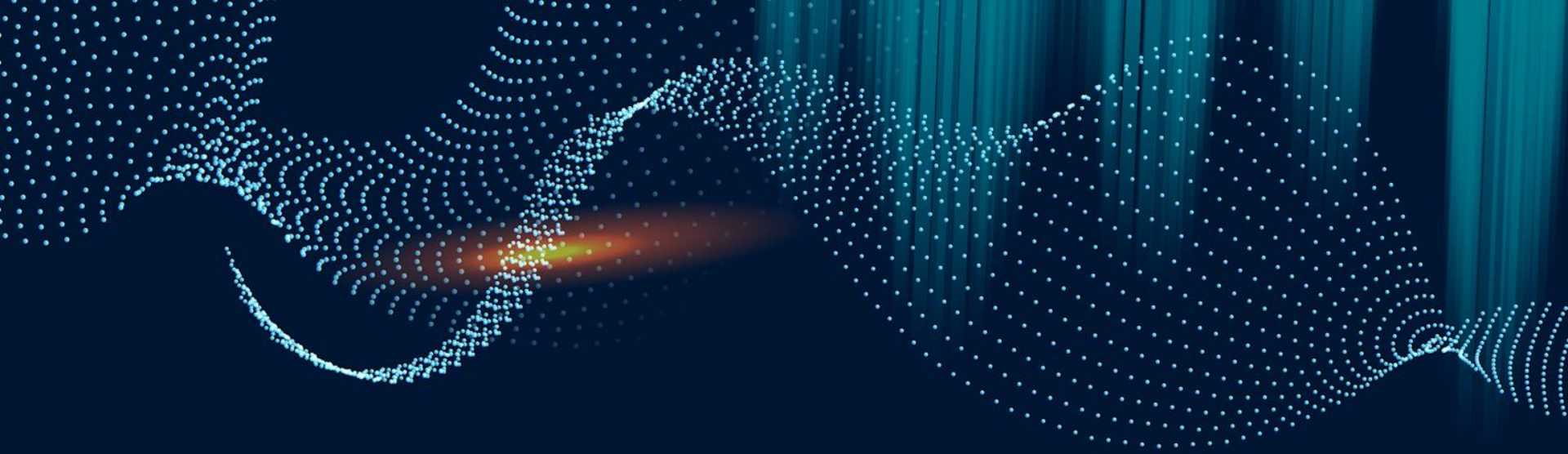
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INTRODUCTION



APPLE PENCIL 2

The Apple Pencil is a stylus for the iPad and iPad Pro. It's precise and allows users to write, draw, and navigate with accuracy. It connects via Bluetooth and can be charged through the iPad or Lightning cable. Popular among artists and note-takers for its pressure sensitivity, tilt recognition, and low latency.



02

AFFORDANCE

AFFORDANCE



Ergonomic design:

- Apple Pencil is ergonomic for extended use
- Sleek and lightweight design
- Suitable for both left and right-handed users
- Smooth finish provides a comfortable grip
- Enhances drawing and writing experience with natural feel

Natural and cognitive:

- Apple Pencil modeled after traditional tools
- Familiar, intuitive, and natural experience
- Enhances expression of ideas and creativity



AFFORDANCE



Easy pairing:

- Apple Pencil pairs easily with iPad or iPad Pro via Bluetooth
- Once paired, it can be used instantly
- No additional setup or configuration required

Adjustable pencil tip :

- The pencil tip may deteriorate with time, hence it is replaceable.

Sensitivity to pressure and tilt:

- Apple Pencil has pressure sensitivity and tilt detection features
- Allows creation of various line widths and shading effects
- Apply more or less pressure to create thicker or thinner lines
- Tilt for different shading effects

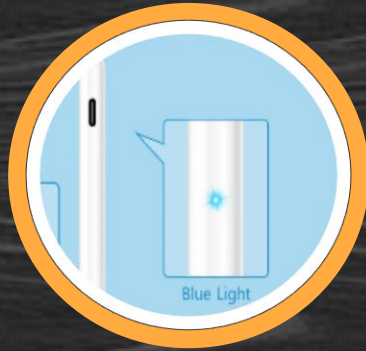


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VISIBILITY



VISIBILITY



LED INDICATOR

- Apple Pencil features LED indicator
- Lights up when connected to iPad or iPad Pro
- Indicates when it's ready to use



MAGNETIC CHARGING

- Apple Pencil charges magnetically
- Attaches to the side of iPad or iPad Pro
- Securely held in place when not in use
- Cordless charging for easy charging on the go



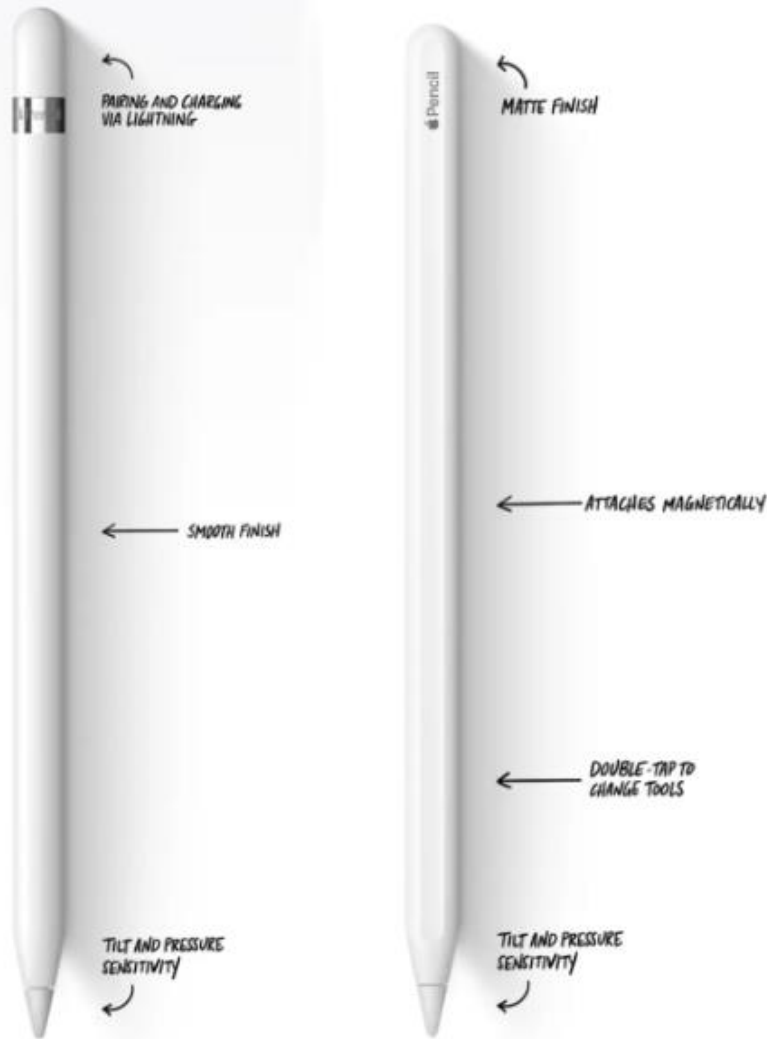
Minimalistic design

- Variety color options
- Glossy finish
- Use with a visible screen and apps



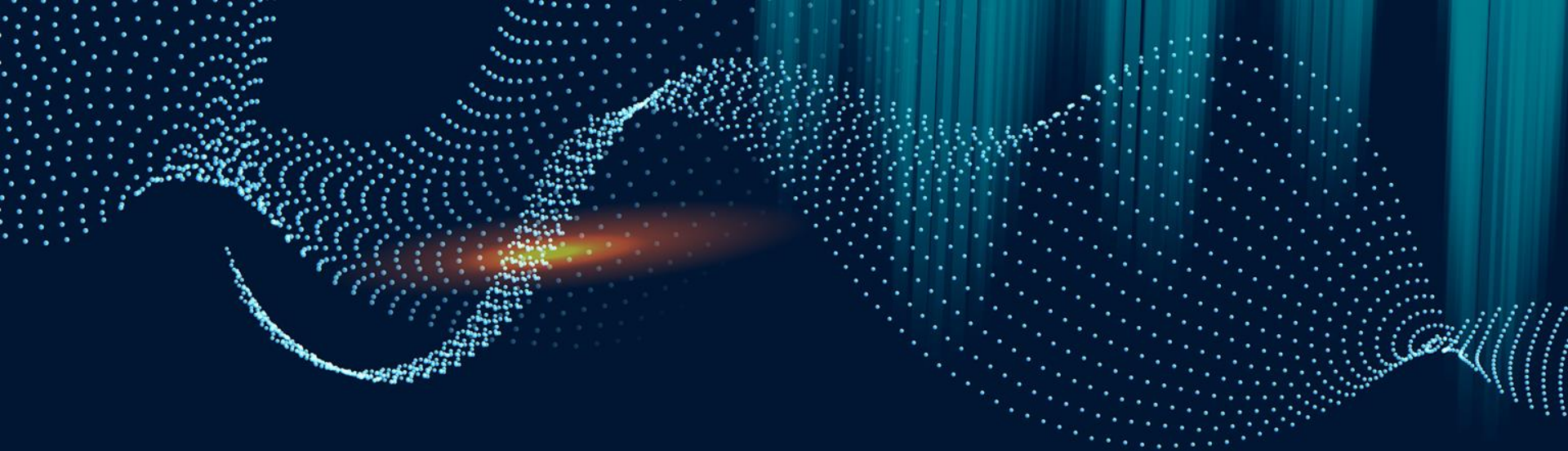
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MAPPINGS



MAPPING

- Pressure sensitivity is accurate.
 - Tilt sensitivity is precise.
 - Palm rejection prevents touch interference.
 - Natural design feels like real pencil.
 - Highly precise gesture tool.
 - Double tap for changing modes between pen and eraser.
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- No haptic feedback is present, which is a flaw in the product.



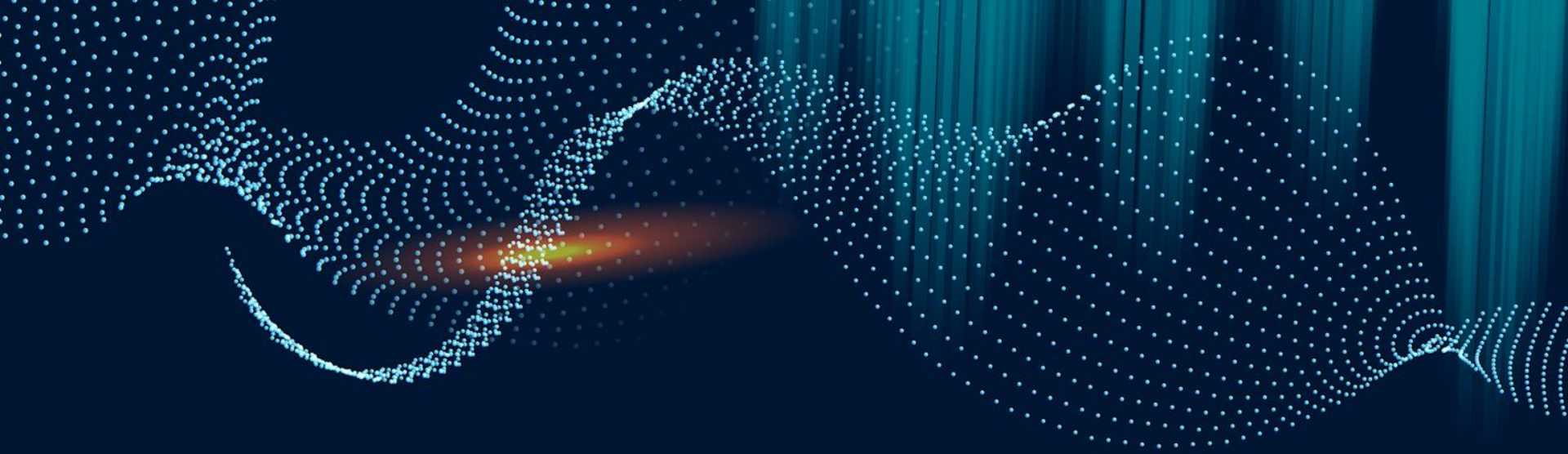
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SYSTEM IMAGE

SYSTEM IMAGE

The Apple Pencil is designed to be used for drawing, writing, and other creative tasks on an iPad or other compatible device.



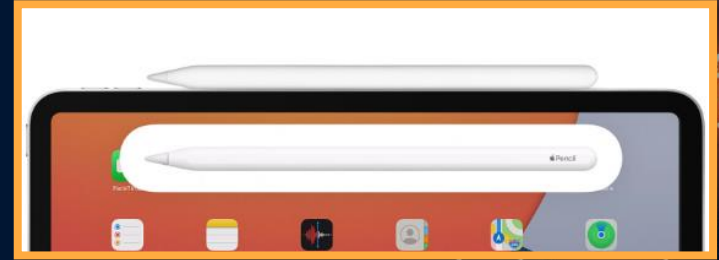


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GULF OF EXECUTION

GULF OF EXECUTION

- **Instant-on capability:**
The Apple Pencil's instant-on feature minimizes the execution gap for users used to always-ready traditional drawing tools.
- **Use with familiar software:**
The Apple Pencil works with many design software, lessening the execution gap for users familiar with those tools and workflows.



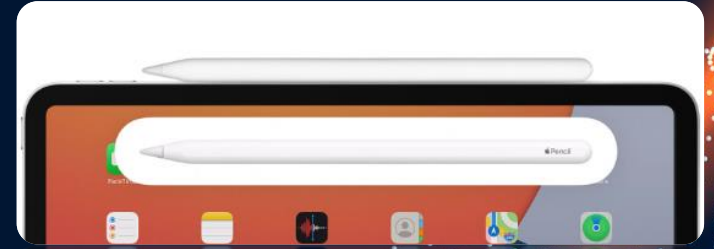
GULF OF EXECUTION

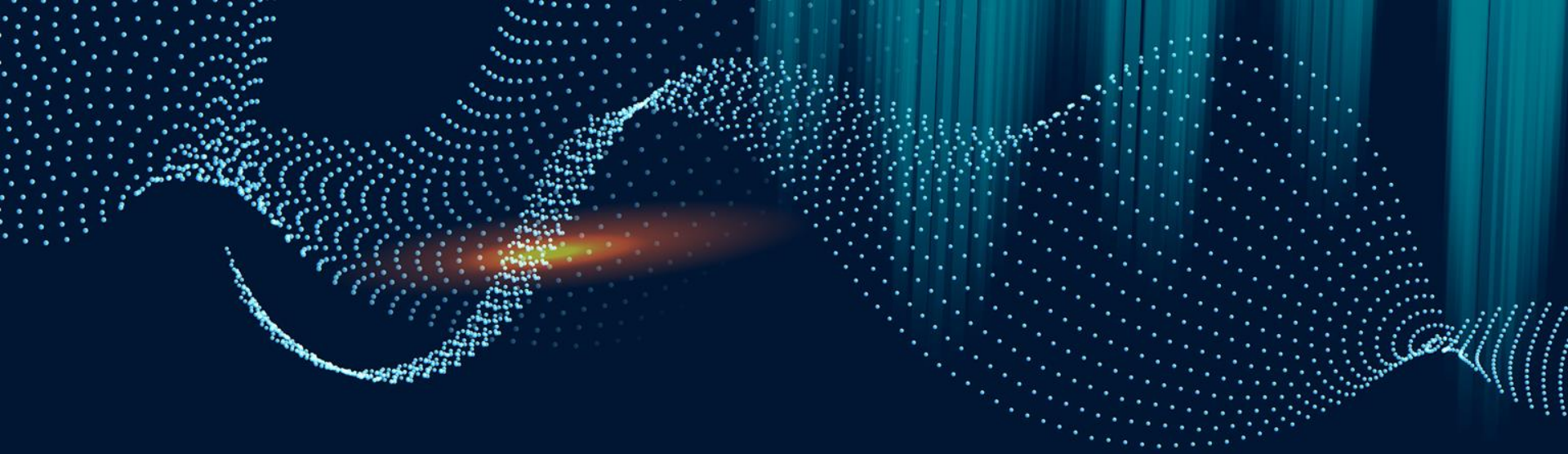
- **Integration with the iPad or iPad Pro:**

The Apple Pencil integrates smoothly with the iPad or iPad Pro, lessening the execution gap for users who are familiar with Apple's digital ecosystem.

- **Pressure sensitivity and tilt detection::**

The Apple Pencil's pressure sensitivity and tilt detection allow for precise drawing and writing, reducing the execution gap for those needing fine control.



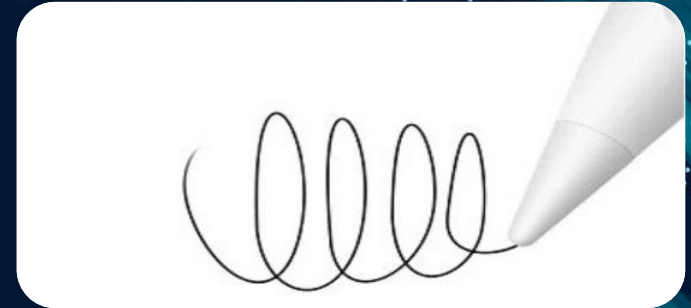


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GULF OF EVALUATION

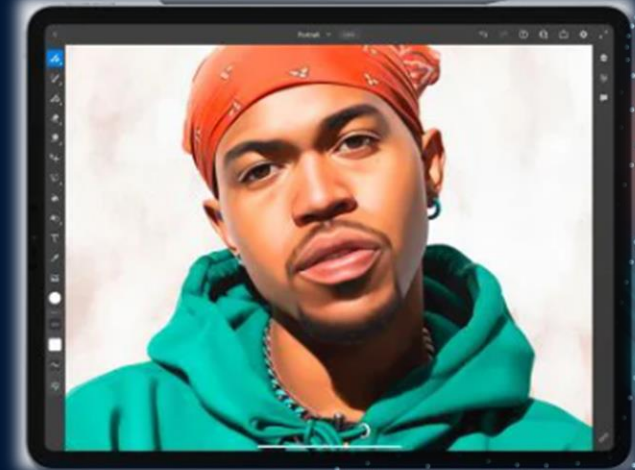
GULF OF EVALUATION

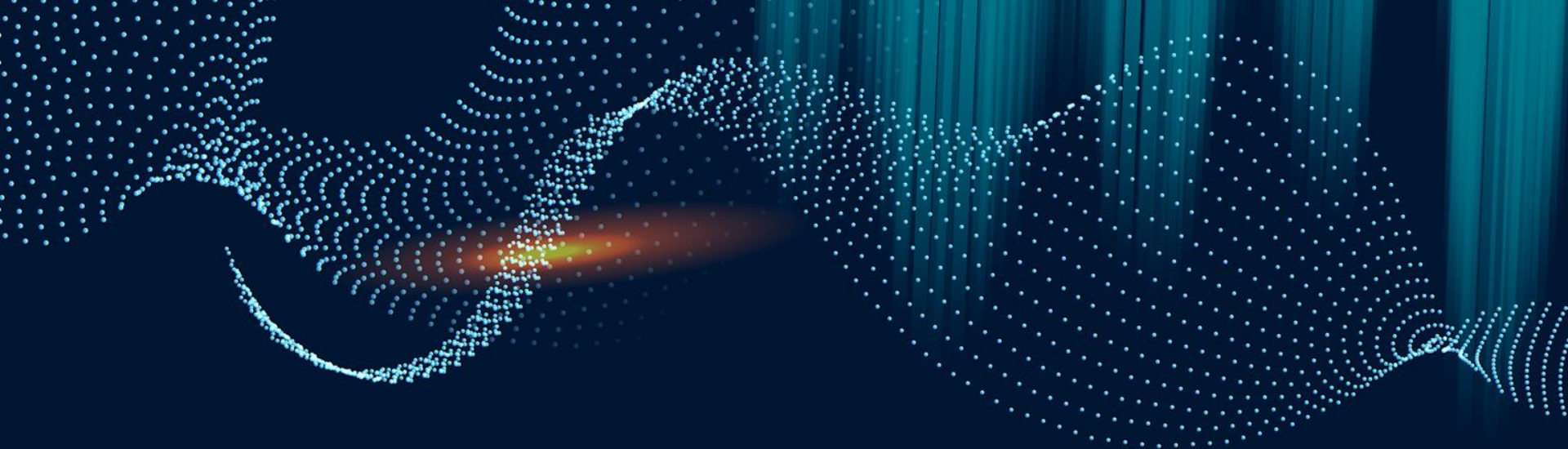
- **Instant feedback:**
The Apple Pencil's instant visual feedback on the screen simplifies the evaluation gap, making it easy for users to see the results of their actions.
- **Precision and accuracy:**
The Apple Pencil's pressure sensitivity and tilt detection enable precise lines and strokes, diminishing the evaluation gap by showing when the desired outcome is achieved.



GULF OF EVALUATION

- **High-quality output:**
The Apple Pencil's high-quality output minimizes the evaluation gap by allowing users to easily assess their work and compare it to their desired outcome.
- **Consistency of performance:**
The Apple Pencil's consistent performance across various drawing and design apps lessens the evaluation gap by giving users a consistent experience to assess and compare in different contexts.





THANK YOU



REFERENCE

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 2. Pexels - <https://www.pexels.com/>
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