

# 3D reality with physical laws

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# outline

curv

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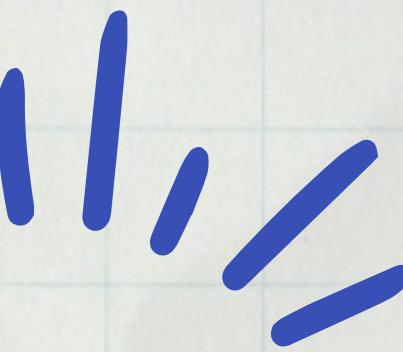
# Introduction

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As long as we want to apply the laws of physics to reality, Python will help us to apply physics to virtual reality, and it is interesting to combine what we have learned into one entity. Here at Trinket is a command editor, we have been able to apply the laws of physics at 3D

# objective

apply physics laws by  
python and convert it into  
3D reality



# Importance of Python Application

Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis. Python is a general-purpose language, meaning it can be used to create a variety of different programs and isn't specialized for any specific problems. This versatility, along with its beginner-friendliness, has made it one of the most-used programming languages today.

# Python uses

Python is commonly used for developing websites and software, task automation, data analysis, and data visualization. Since it's relatively easy to learn, Python has been adopted by many non-programmers such as accountants and scientists, for a variety of everyday tasks, like organizing finances.

**What can you do with python? Some things include:**

- Data analysis and machine learning.
- Web development.
- Automation or scripting.
- Software testing and prototyping.
- Everyday tasks.

# Python Applications

- Web Applications
- Business Applications
- Audio or Video-based Applications
- 3D CAD Applications
- Image Processing Application

# Physical laws

curve

1. Elastic collision

2. Simple pendulum

3. Harmonic oscillation

4. electric field due to  
a charged rod

# Codes

view

ELASTIC COLLISION ,SIMPLE PENDULUM ,HARMONIC OSCILLATION

<https://trinket.io/glowscript/9ff47408f3>

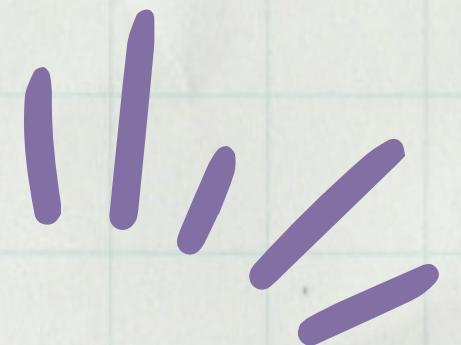
# Codes

new

## ELECTRIC FIELD DUE A CHARGED ROD

[https://trinket.io/glowscript/31b7052712?  
showInstructions=true](https://trinket.io/glowscript/31b7052712?showInstructions=true)

# Summary



A set of physical laws was presented  
and applied as a three-dimensional  
model in Python language.

# References

<https://www.coursera.org>

[https://www.researchgate.net/profile/Dr-Subhendu-Pani/publication/337146539\\_IJITEE/links/5dc70b124585151435fb427e/IJITEE.pdf](https://www.researchgate.net/profile/Dr-Subhendu-Pani/publication/337146539_IJITEE/links/5dc70b124585151435fb427e/IJITEE.pdf)