



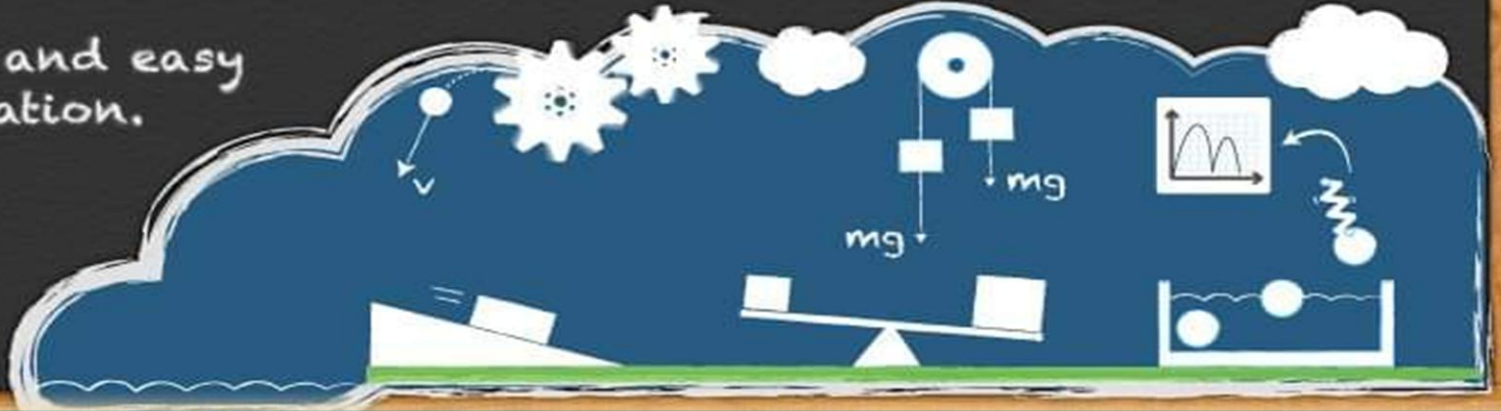
Algodoo



अल्गोडू के साथ भौतिकी अन्वेषण

ACTIVATE SCIENTIFIC THINKING.

With quick and easy experimentation.



प्रस्तुतीकरण
ओम प्रकाश पाटीदार
नेशनल आईसीटी अवार्डी
शासकीय उत्कृष्ट विद्यालय शाजापुर (म.प्र.)

अल्गोडू क्या है?

इंटरैक्टिव दृश्य बनाने के लिए डिजिटल सैंडबॉक्स।

- आकर्षक दृष्टपटल.
- उपयोगकर्ता के अनुकूल संचालन.
- विज्ञान 2 डी सिमुलेशन
- एनीमेशन उपकरण एवं इंजीनियरिंग उपकरण.

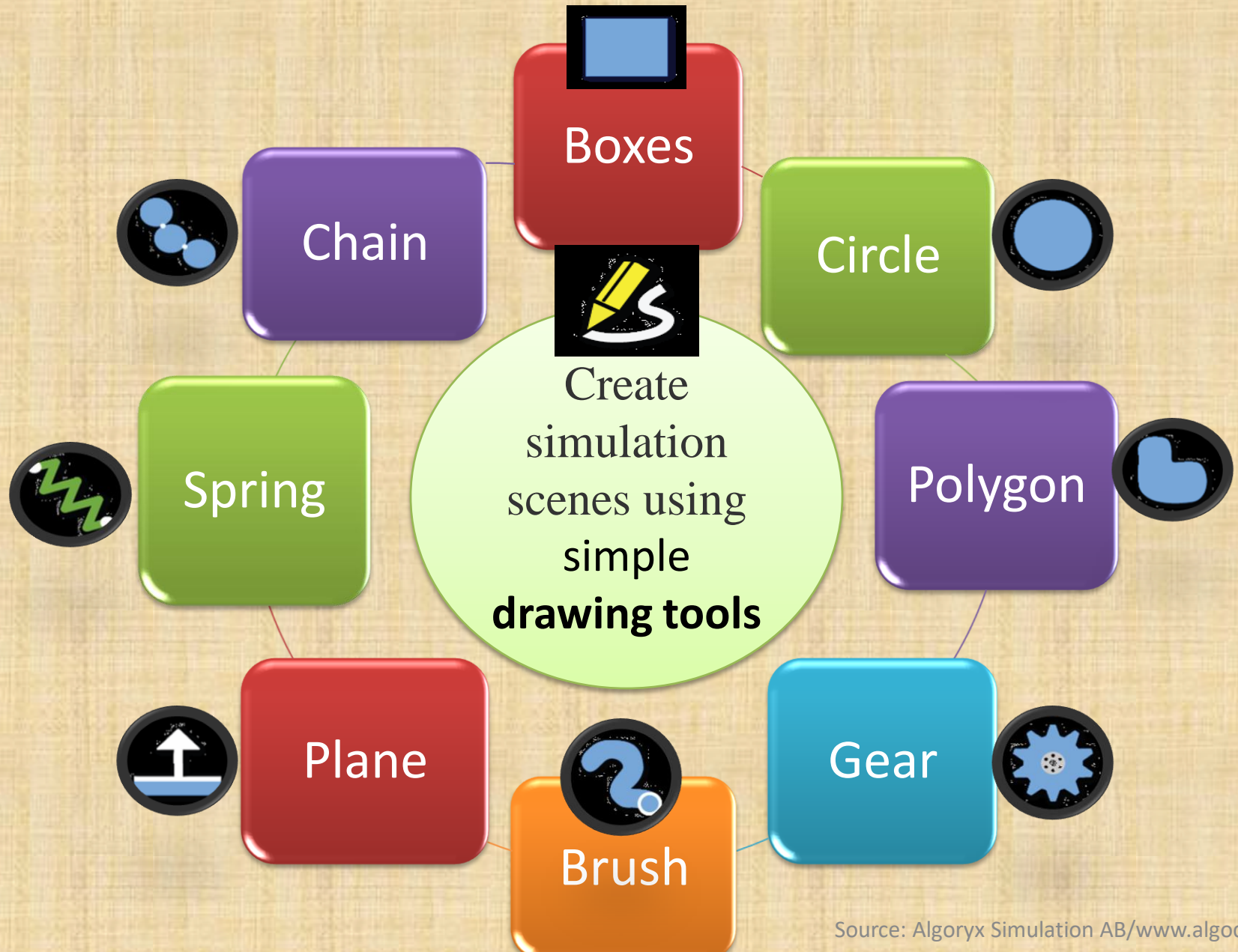
अल्गोडू के साथ खेल-खेल में शिक्षा

- कार्टूनी तरीके से बनाया गया है ।
- खेल खेल (मस्ती) में विज्ञान शिक्षण।
- बच्चों की रचनात्मकता को प्रोत्साहन।
- ज्ञान निर्माण के लिए प्रेरणा।
- घर पर भौतिकी सीखकर अभ्यास करें।
- ओपन एंडेड कंप्यूटर गेम।

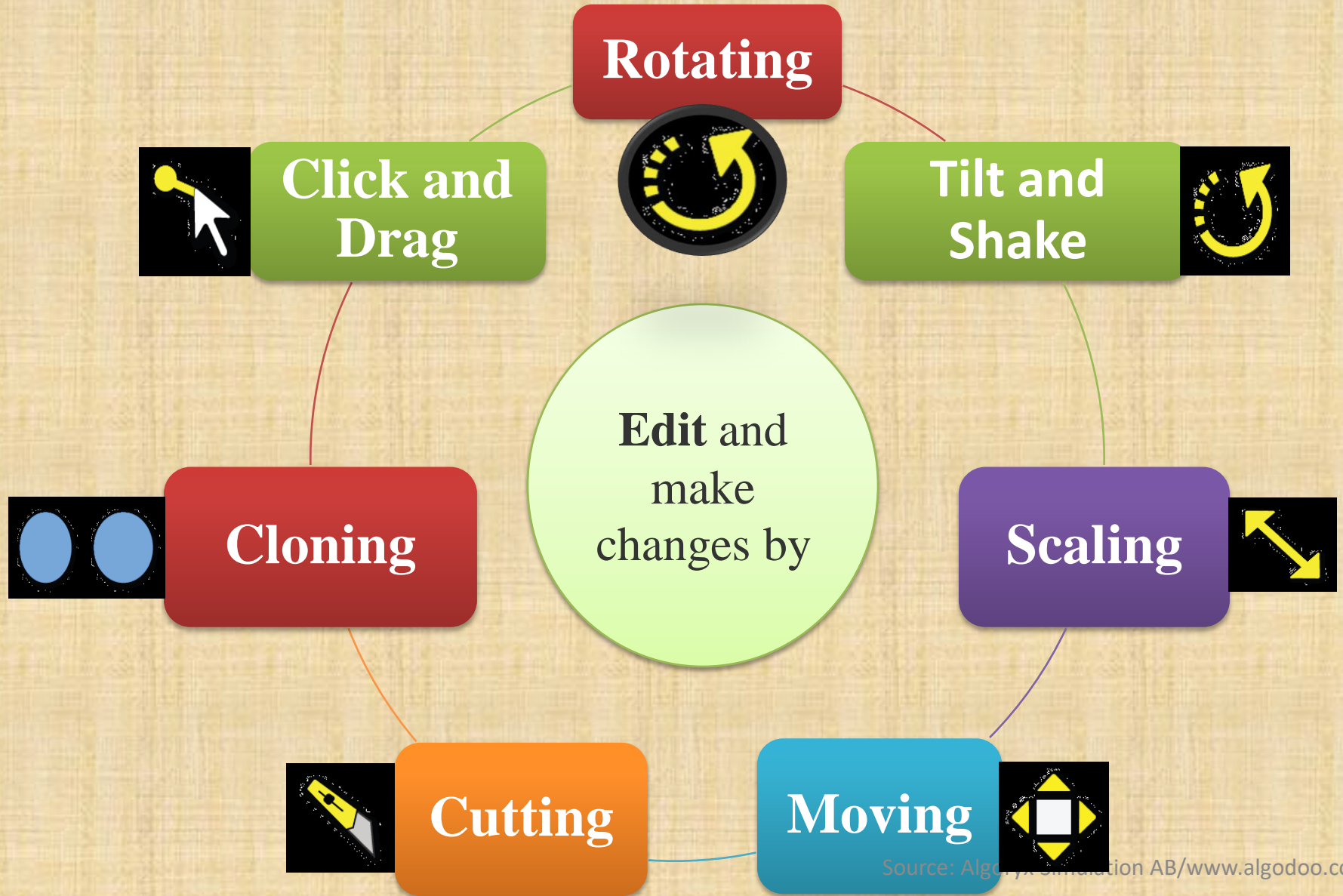
प्रौद्योगिकी

- इंटरैक्टिव सिमुलेशन के लिए नवीनतम तकनीकों पर आधारित।
- विंडोज और मैक ओएस पर संचालन।
- Intel® पीसी के लिए अनुकूलित।
- स्मार्ट बोर्ड (इंटरैक्टिव व्हाइटबोर्ड) के लिए अनुकूलित।

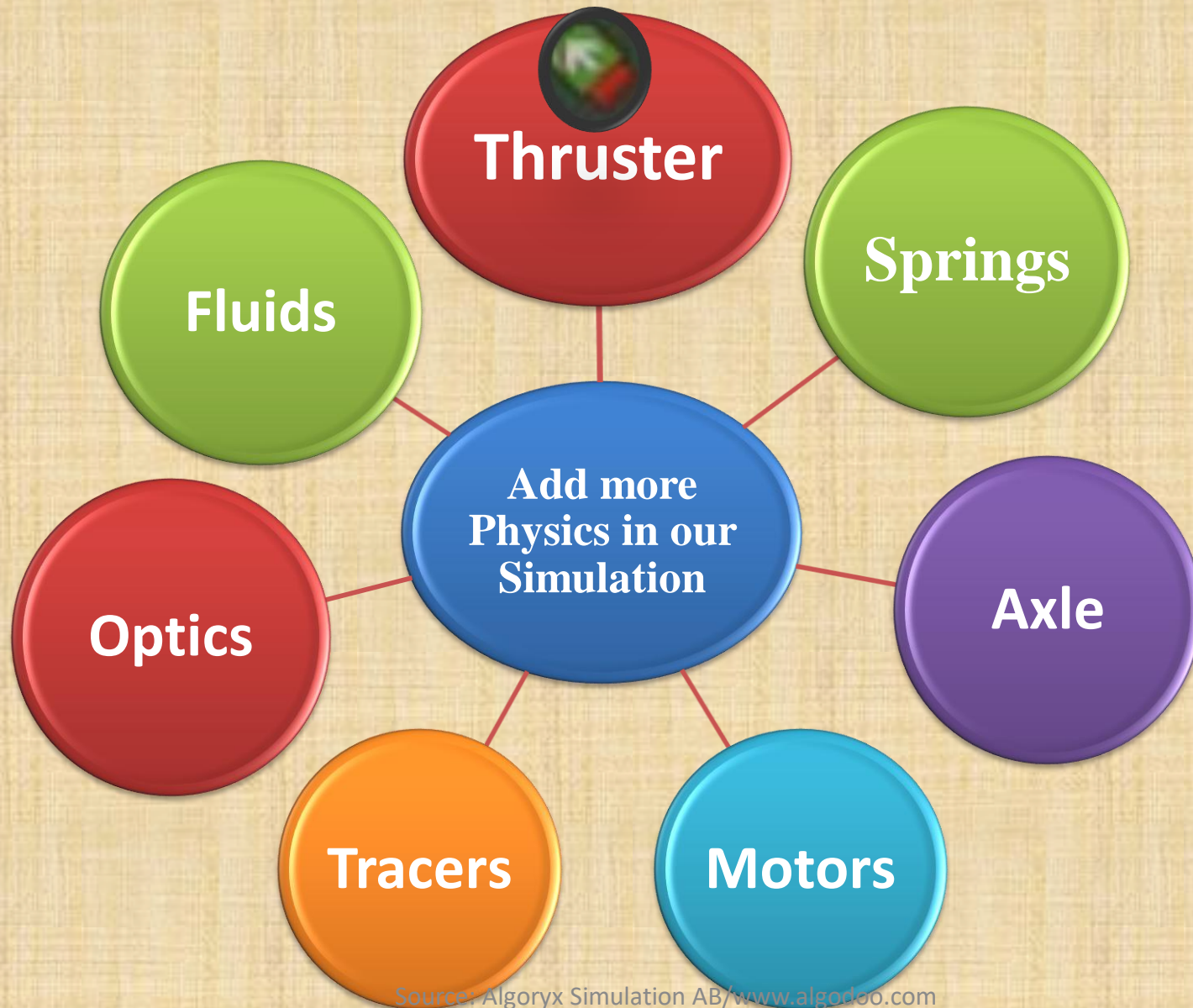
कार्यप्रणाली



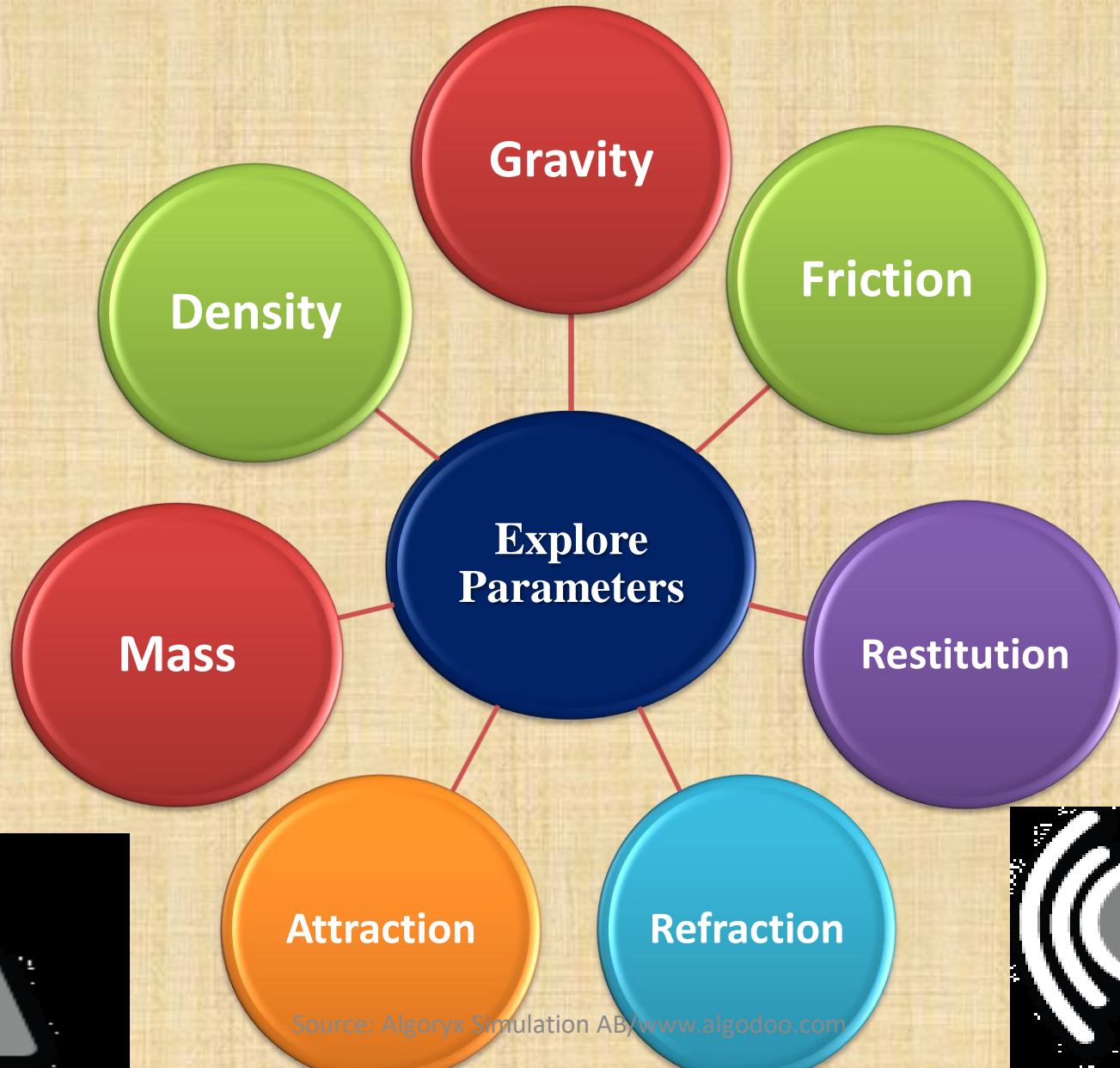
कार्यप्रणाली



भौतिक तत्व



भौतिक तत्व



Source: Algodoo Simulation AB/www.algodoo.com

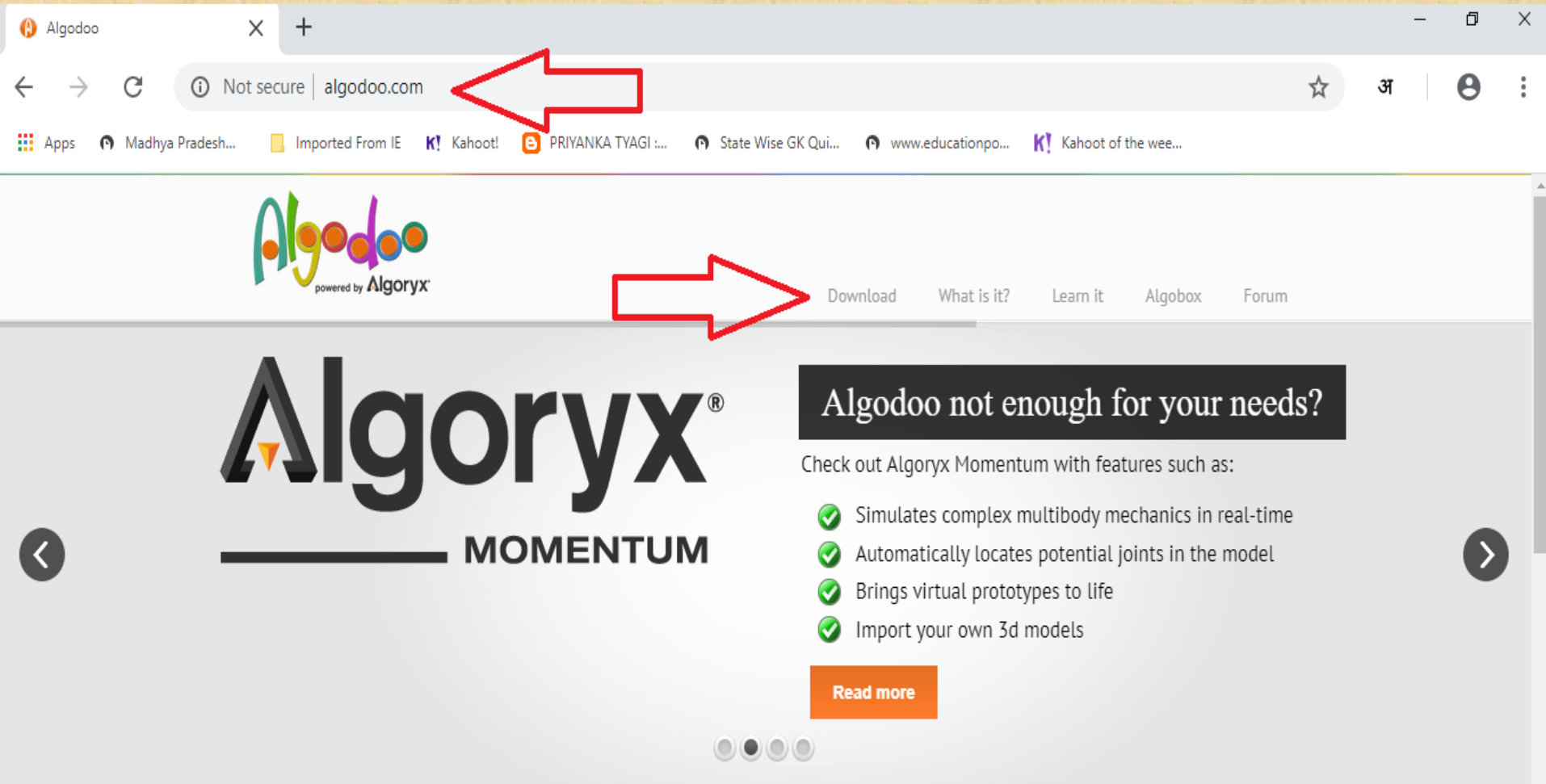


अल्गोबॉक्स - दृश्य रिपोजिटरी

अल्गोबॉक्स (दृश्य पुस्तकालय)

- सहेजें और अपने दृश्यों को साझा करें।
- ब्राउज़ करें और दृश्यों को डाउनलोड करें।
- अपने विचार पर चर्चा करें और साझा करें.

How to Download Algodoo?



The screenshot shows a web browser window with the URL algodoo.com. The browser's address bar is highlighted with a red arrow pointing to the left. The website's navigation menu is visible, with the 'Download' link highlighted by a red arrow pointing to the right. The main content area features the 'Algoryx' logo and a section titled 'Algoryx MOMENTUM'. To the right of this section, there is a dark box with the text 'Algodoo not enough for your needs?' and a list of features for Algoryx Momentum, each preceded by a green checkmark. Below the list is an orange 'Read more' button.

Algodoo

powered by Algoryx

Download What is it? Learn it Algodox Forum

Algoryx[®]

MOMENTUM

Algodoo not enough for your needs?

Check out Algoryx Momentum with features such as:

- ✓ Simulates complex multibody mechanics in real-time
- ✓ Automatically locates potential joints in the model
- ✓ Brings virtual prototypes to life
- ✓ Import your own 3d models

[Read more](#)

Source: Algoryx Simulation AB/www.algodoo.com

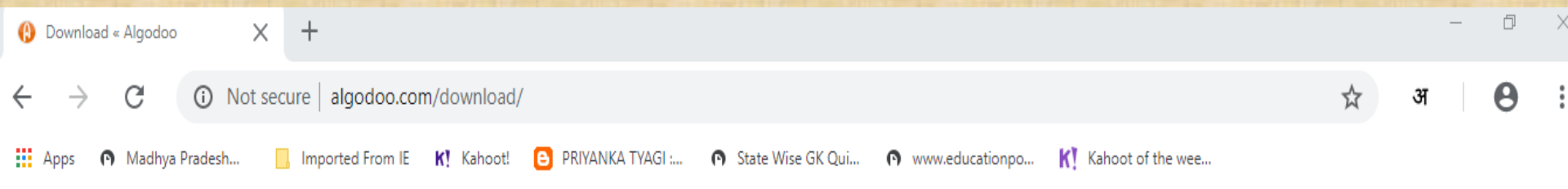
Algodoo is now FREE!

Algodoo gives you the opportunity to play with physics. Use your own hands and simple drawing tools to *design, construct* and *explore* the world of physics.



“It’s so simple to use. You can make anything, and I mean anything, and make it do whatever you want it to.”

How to Download Algodoo?



Download for Mac

Support the development of **Algodoo** for the **Mac** and buy your copy from the Mac App Store.



Download for iPad

Support the development of **Algodoo** for the **iPad** and buy your copy from the App Store.



Free downloads



Download and double-click to start the installer, then follow the instructions. Important: if Algodoo runs slowly, please make sure you update your graphics drivers!

[Download for Windows](#)



Download and double-click to mount, then open the mounted image on your desktop and copy the Algodoo application to your Applications directory.

[Download for Mac](#)

Source: Algoryx Simulation AB/www.algodoo.com



Main Window

The screenshot shows the Algodoo for Education main window with several annotated components:

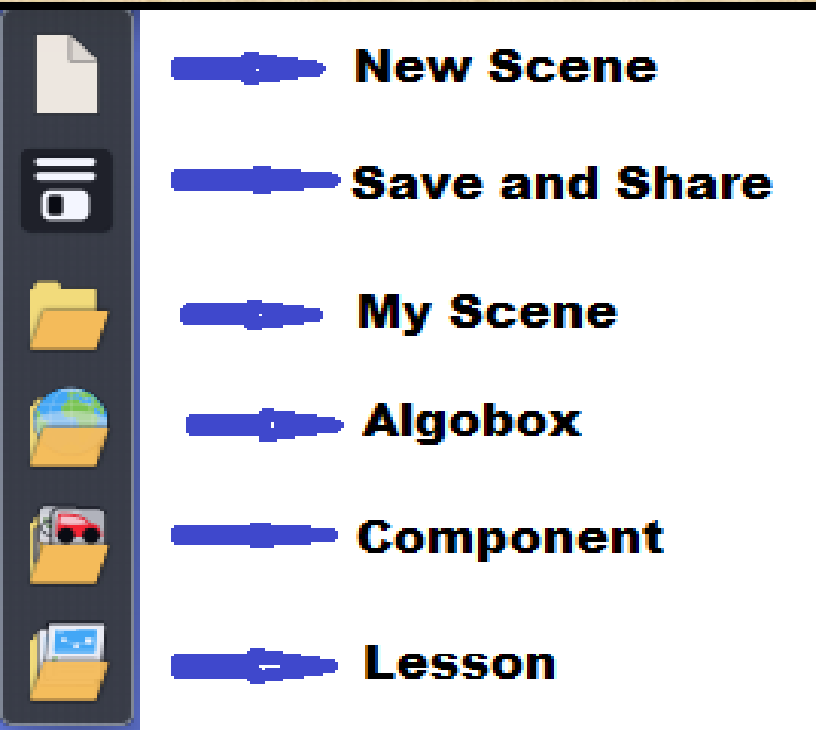
- TOP MENU:** Change language, Toggle fullscreen, Open options, Hide windows, Run tutorials and much more.
- BROWSER:** Browse & Save scenes. Find & Share scenes online. Drag & Drop components.
- TOOLBAR:** Tools for Drawing, Editing and Interact with your scenes.
- TOOL OPTIONS:** Options for the selected tool.
- ENVIRONMENT:** Turn on/off Gravity, Air friction and Background grid.
- RIGHT-CLICK (or DOUBLE-CLICK):** Make water, Clone, Show info, Add mechanics, etc.
- PROPERTIES:** Set material and color.

The central window displays a "Welcome!" message with three main options:







- Setup:** Set language and the Algodoo look and feel.
- Tutorials:** Learn the basics of Algodoo in a minute.
- Lessons:** Use Algodoo as a teaching aid.

At the bottom, there is a simulation control bar with buttons for play, pause, and redo, and a toolbar with a "Sketch" button.


Tool Bar



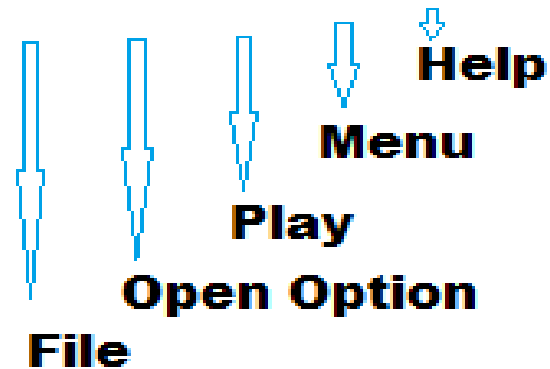
A vertical sidebar on the left side of the interface. It contains six icons, each with a blue arrow pointing to the right. The icons represent: a document (New Scene), a list (Save and Share), a folder (My Scene), a folder with a globe (Algobox), a folder with a car (Component), and a folder with a person (Lesson).

-  **New Scene**
-  **Save and Share**
-  **My Scene**
-  **Algobox**
-  **Component**
-  **Lesson**






Browser



A dark grey horizontal bar at the top of the application window. It contains the text 'File', a gear icon, a play button icon, a folder icon, and a question mark icon. To the right of these icons, the text 'Algodoo v2.1.0' is displayed.



A vertical list of menu items, each with a blue arrow pointing to the right. The items are: 'File', 'Open Option', 'Play', 'Menu', and 'Help'.

-  **File**
-  **Open Option**
-  **Play**
-  **Menu**
-  **Help**

Top Menu

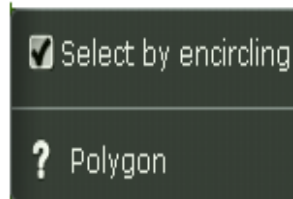
Tool Bar

Sketch (K)
Move Tool (M)
Rotate
Brush (B)
Polygon (P)
Box (X)
Plane Tool (A)
Spring Tool (S)
Axle Tool (H)
Laser Pen (L)
Texture Tool (U)



Tool Bar

Knife (T)
Drag
Scale (R)
Eraser
Gear Tool (G)
Circle Tool (C)
Chain Tool (N)
Fixate (F)
Thruster (O)
Tracer (E)



Tool Option



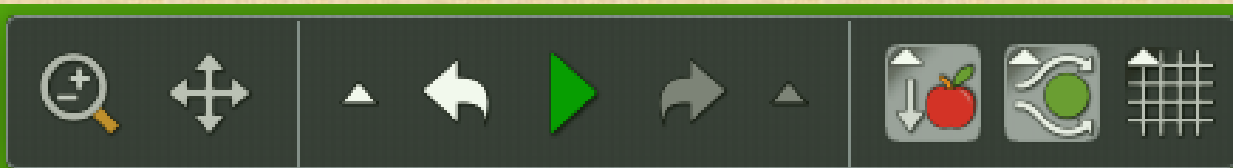
⇒ Material

⇒ Appearance

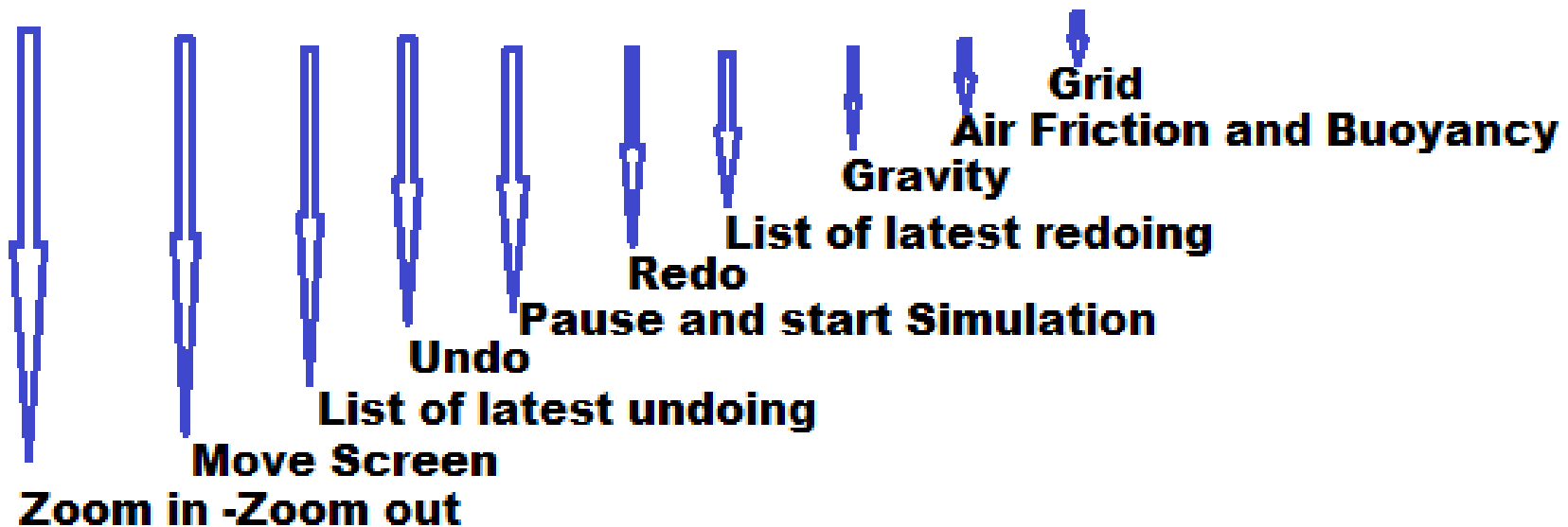
⇒ Visualization

Properties

Tool Bar

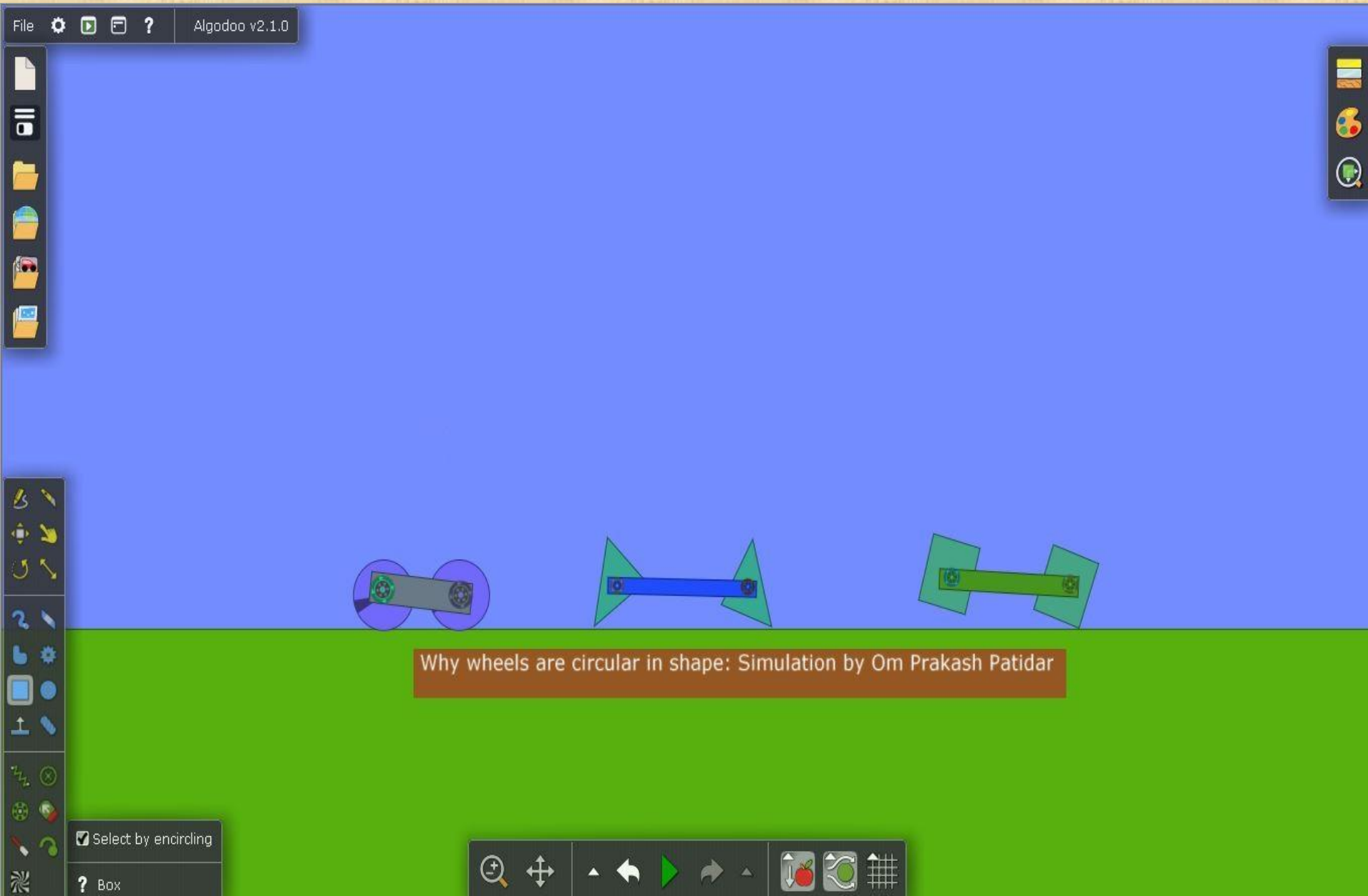


Environment



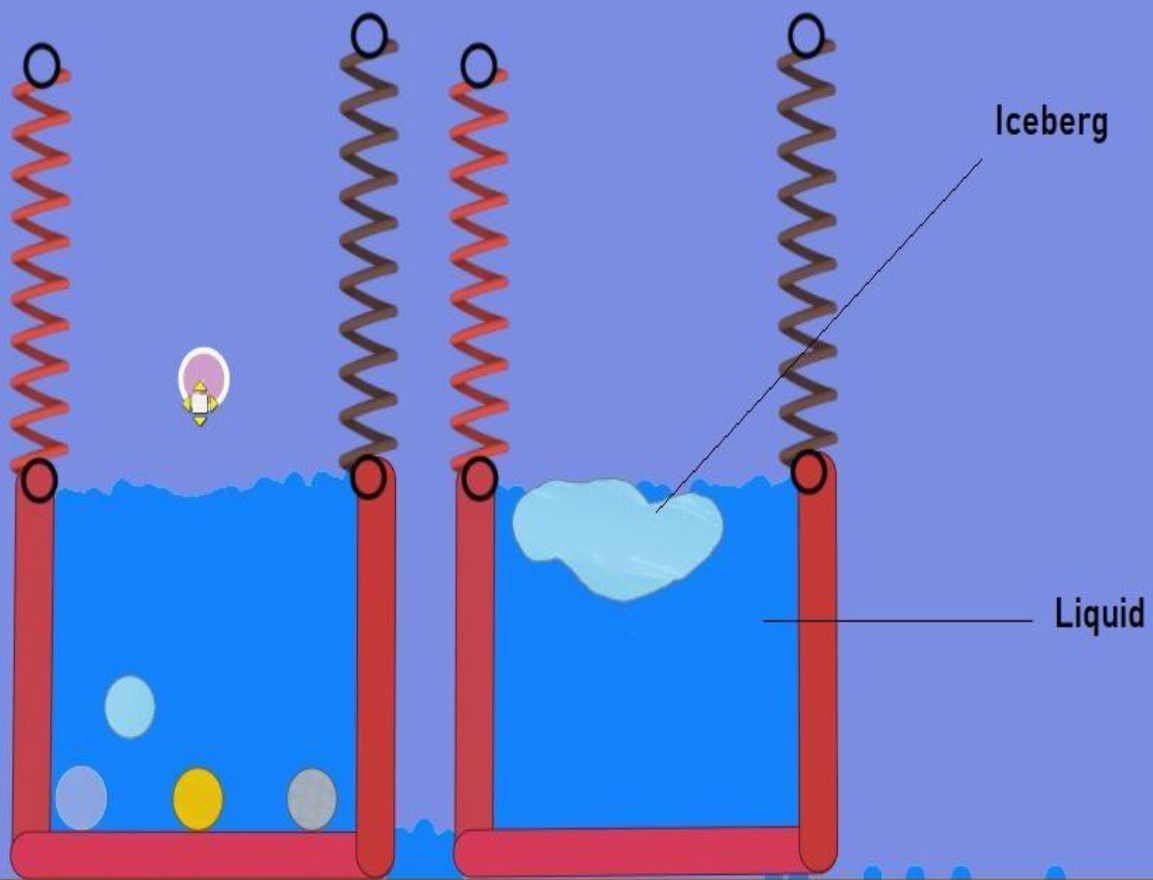
Simulation Control

Why Wheels are Circular in Shape?



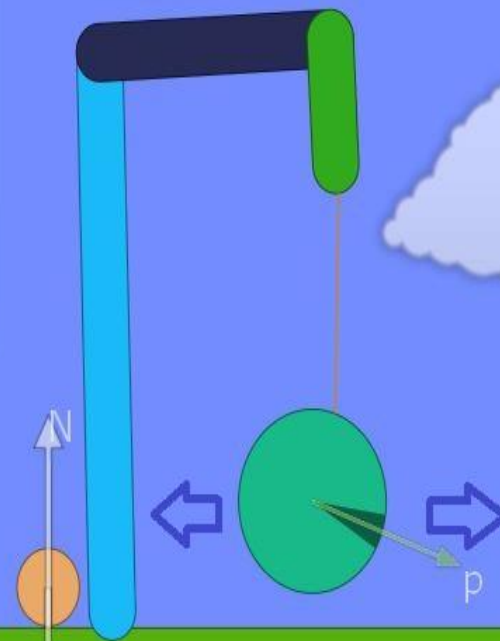
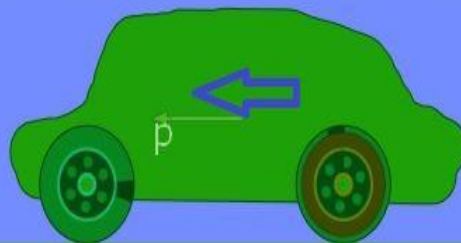
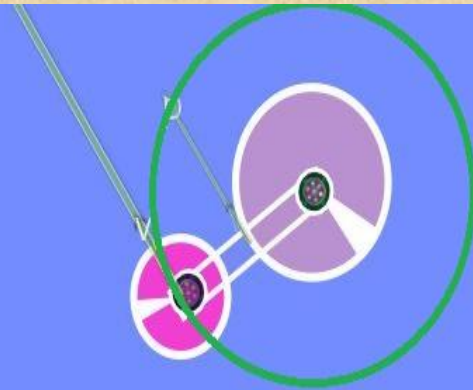
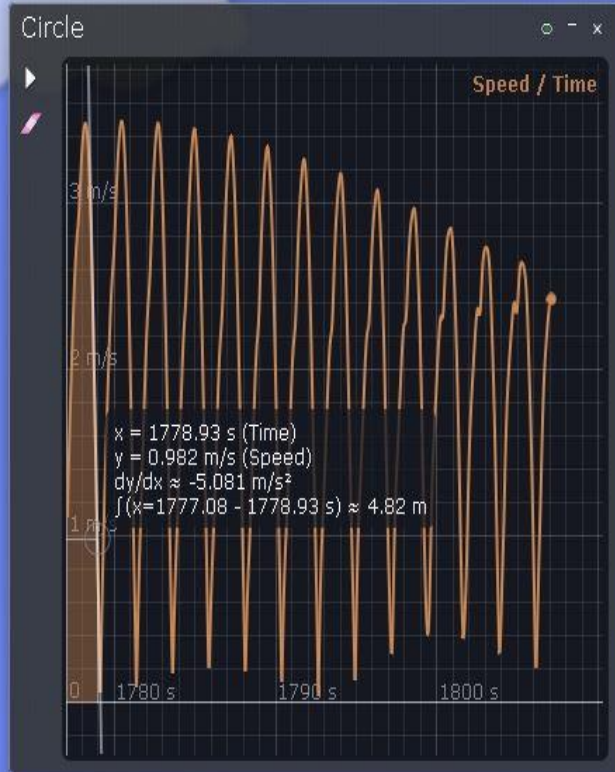
Float and Sink

File [gear] [play] [stop] [help] Algodoo v2.1.0



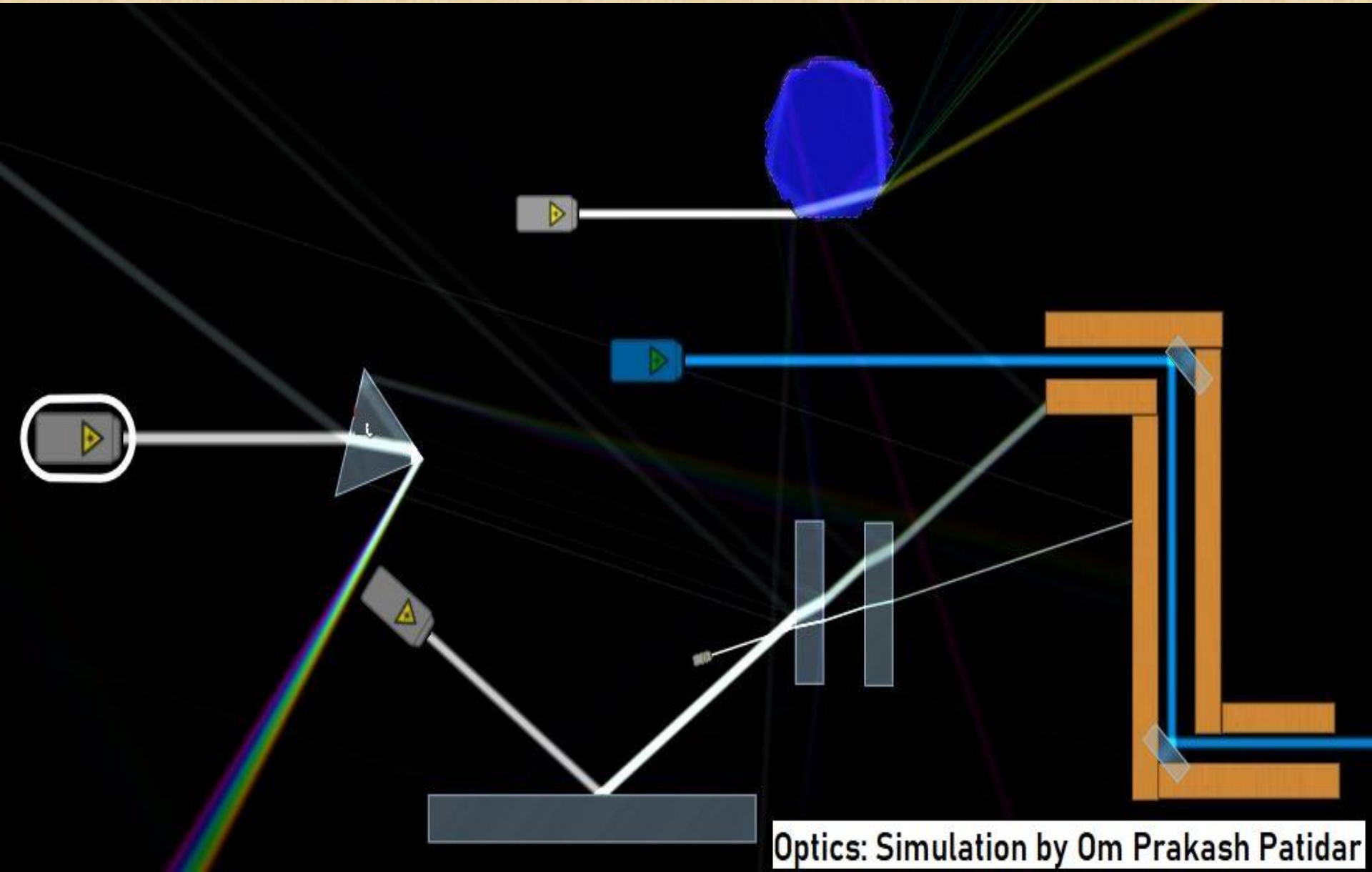
Motion

File [Settings] [Play] [Stop] [Help] Algodoo v2.1.0






Motion : Simulation by Om Prakash Patidar

Optics: Reflection and refraction



Friction of a Sliding Surface

File    ? Algodoo v2.1.0

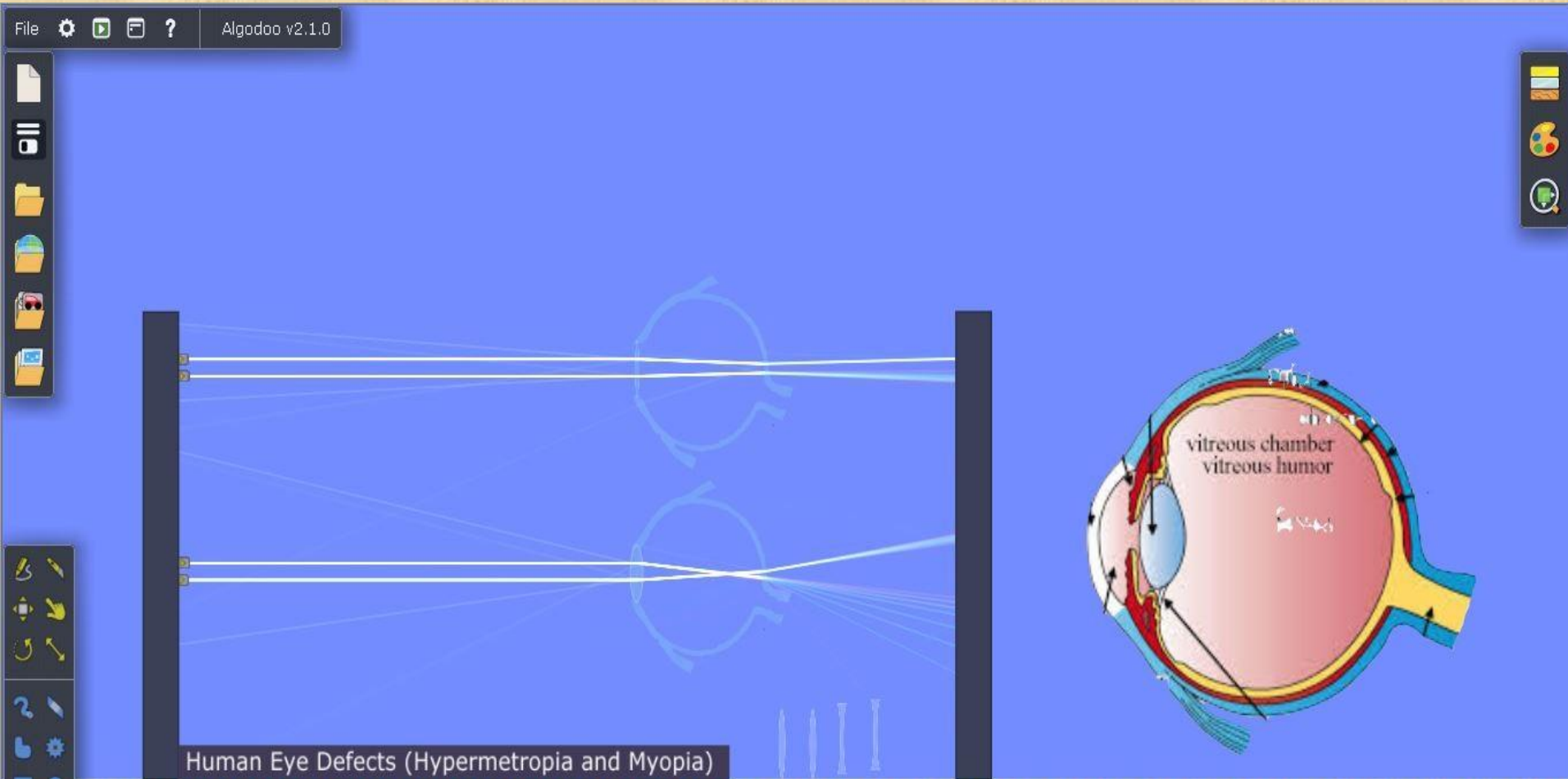


Friction of sliding surface : Simulation by Om Prakash Patidar

? Move



Human Eye and its Defects



Simulation by Om Prakash Patidar

Gears, Chains, Ropes and Pulleys

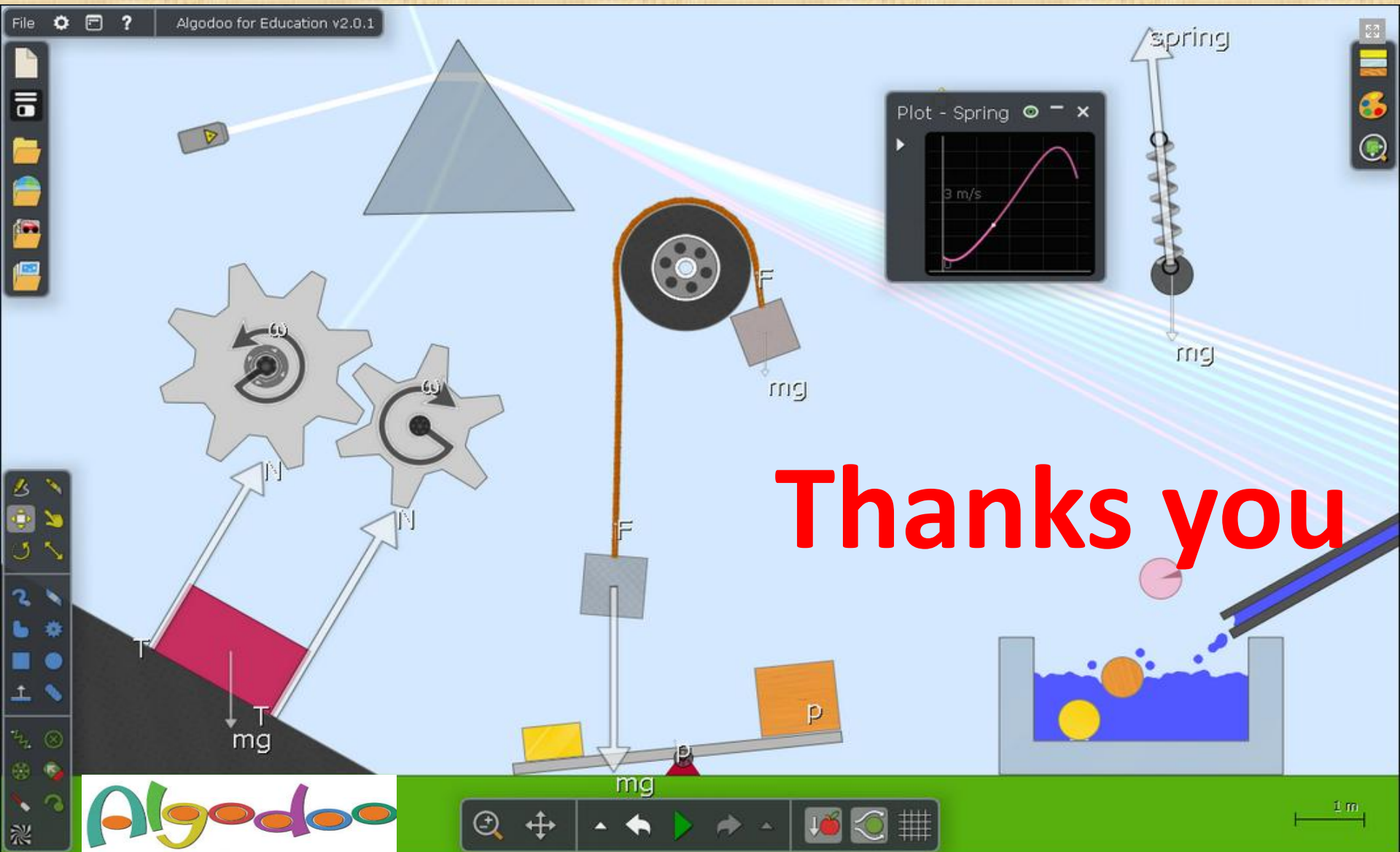


Gear,Chain,Rope and Pulleys : Simulation by Om Prakash Patidar

Centre of Gravity-Parachuting



be creative with Algodoo...



Thanks you