



De revolutionibus orbium coelestium

On the Revolutions of the Heavenly Spheres

Niklas Koppernigk (Nicolaus Copernicus)
Nürnberg, 1543
Heiliges Römisches Reich

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Opening Description of a Chapter

Some text about what's ahead...

Lists

- | | | | |
|---|----------------------|---|----------------------|
| 1 | Berlin | 1 | Leipzig |
| 2 | Hannover | 2 | Dresden |
| 3 | Freiburg im Breisgau | 3 | München |
| 4 | Heidelberg | 4 | Köln |
| 5 | Hamburg | 5 | Königsberg und Praga |

Is Algebraic Graph Knowledge Possible?

Research has been conducted in order to evaluate the possibility of reaching **meaningful** knowledge from Algebraic Graph transformations.

- Model Cheking and theorem proving are viable paths.
- This is the first way: **outstanding assertion !**
- Even greater impact comes from: **hilight text!**

***Note**: This is a very long footnote line intended to test the layout of two.

H1 - Header 1

H2 - Header 2

H3

H4

H5

H6

- This is a fragment of normal text written here in order to exemplify the use of several features in CSS.
- This is a fragment of normal text written here in order to exemplify the use of several features in CSS.
 - This is one **feature**
 - This is another subject.

Lists

1. One
2. Two
3. Three
 - i. abc
 - ii. def
4. End of list

```
primes = filterPrime [2..]
  where filterPrime (p:xs) =
        p : filterPrime [x | x <- xs, x `mod` p /= 0]

seqLength :: Num b ⇒ Sequence a → b
seqAppend :: Sequence a → Sequence a → Sequence a

seqLength Nil = 0
seqLength (Cons _ xs) = 1 + seqLength xs

seqAppend Nil ys = ys
seqAppend (Cons x xs) ys = Cons x (seqAppend xs ys)
```

Code: Haskell code fragment.

Figures

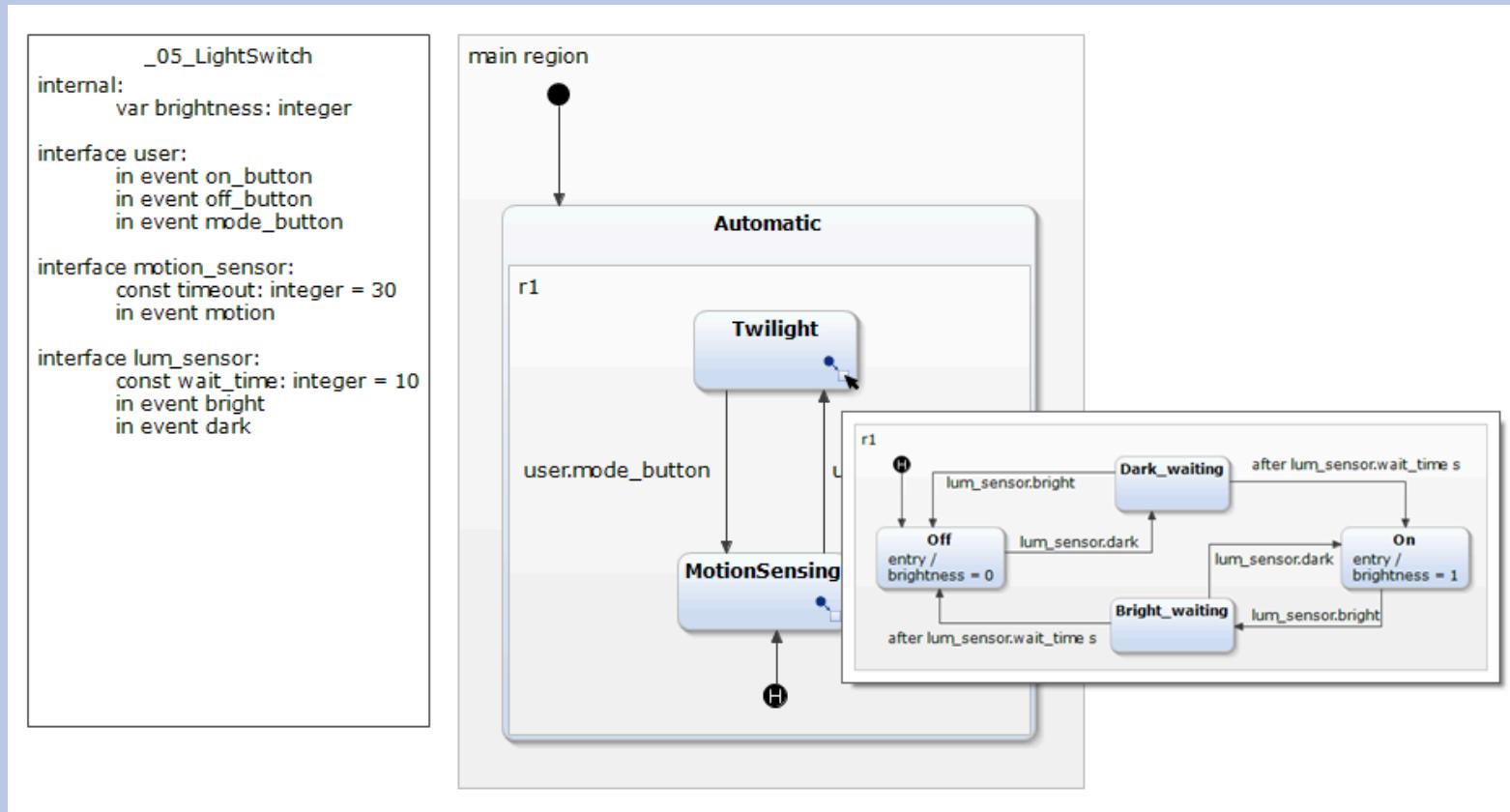


Figure 1: Statechart machine.

Tables

Column A	Column B	Column C	Column D
A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3

Table: Exemple of use of tables.

LaTeX Equations

$$\frac{1}{c^2} \frac{\partial^2 \psi}{\partial t^2} = \nabla^2 \circ \psi$$

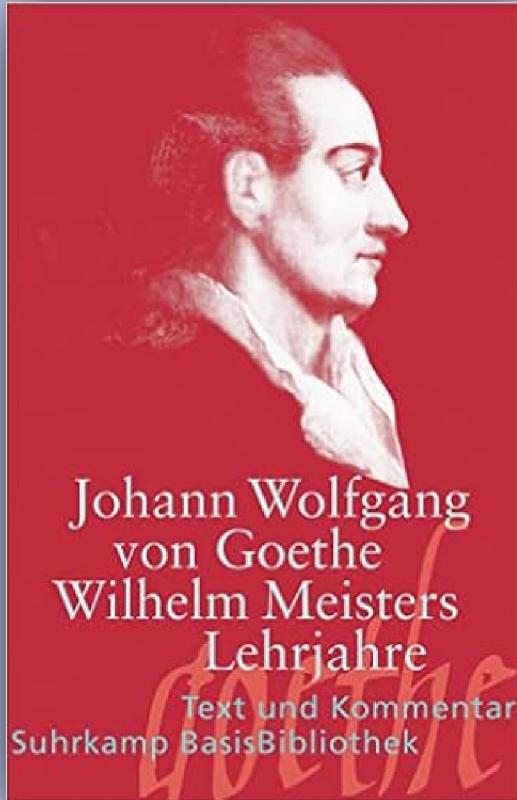
$$\nabla \times \mathbf{E} = - \frac{\partial \mathbf{B}}{\partial t}$$

$$\nabla^2 \mathbf{E} = \mu \epsilon \frac{\partial^2 \mathbf{E}}{\partial t^2}$$

$$c = \sqrt{\frac{1}{\mu \epsilon}}$$

Formulae: Exemples of use of LaTeX formulas.

Images in Two Columns



Images in Two Columns

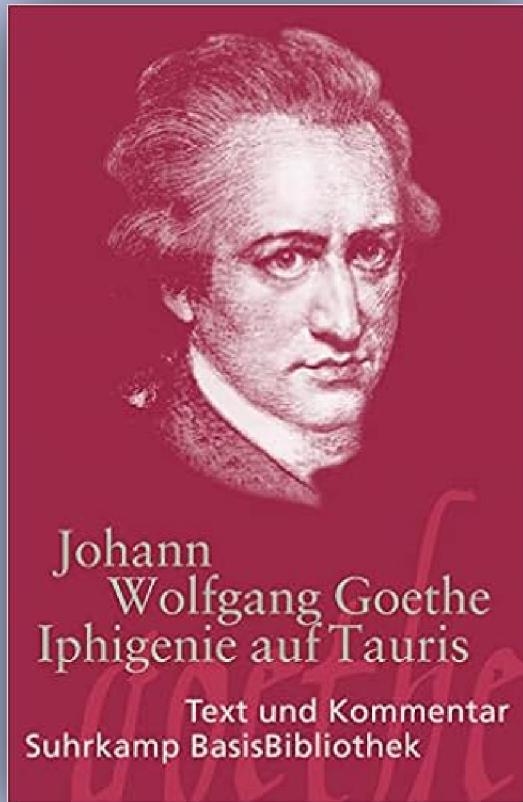


Figure 1: Göthe, Suhrkamp (2011).

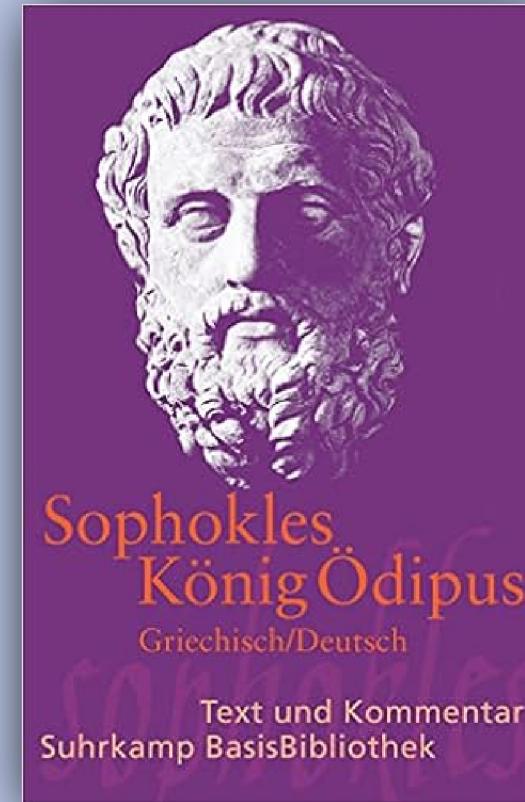


Figure 2: Sophokles, Suhrkamp (2015).

Image and text

Figure: Oxford edition (1979).

Hegel's Phenomenology

The book was originally entitled "Phänomenologie des Geistes" by its author, G.W.F. Hegel.

- Published in 1807, marked a significant development in German idealism after Kant.
- In this book Hegel develops his concepts of dialectic.

Price at Amazon: \$ 17.83

Image and text

Kant, Leibniz & Newton

Philosophy and the sciences were closely linked in the age of Leibniz, Newton, and Kant; but a more precise determination of the structure of this linkage is required. This text addresses the coming of metaphysics into a discipline, the emergence of analytical mechanics.

Available at Amazon: 91,42 €

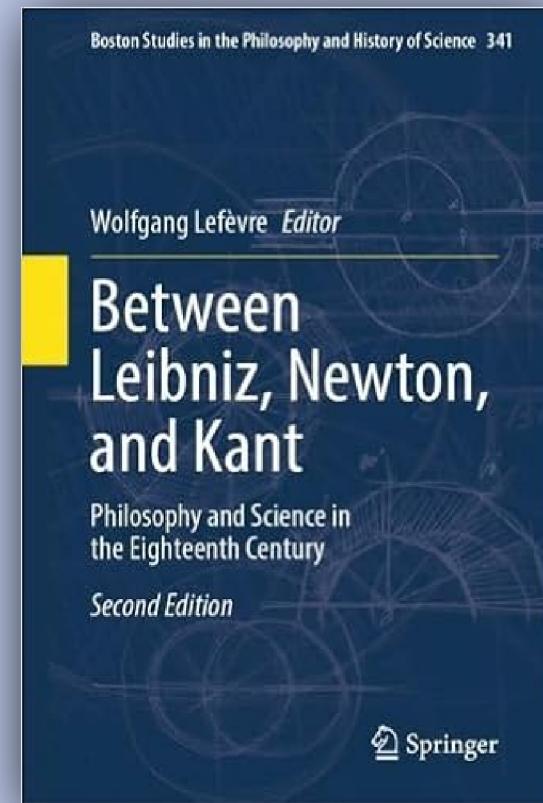


Figure: Springer edition (2023).

"There is an **increasing** demand of current information systems to incorporate the use of a higher degree of formalism in the development process. **Formal Methods** consist of a set of tools and techniques based on mathematical model and formal logic that are used to **specify and verify** requirements and designs for hardware and software systems."

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Transition Slide 1

Aditional *Text*



Transition Slide 2

Aditional Text

References

1. PLATO. **Plato Republic**. Tradução: C. D. C. Reeve. Indianapolis, IN, USA: Hackett Publishing Company, 2004.
2. PLATO. **Plato Republic**. Tradução: C. D. C. Reeve. Indianapolis, IN, USA: Hackett Publishing Company, 2004.
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5. HEGEL, Georg Friederich Wilhelm. **Hegel's Phenomenology of Spirit**. Tradução: A. V. Miller. New York: Oxford University Press, 2004.

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1. PLATO. *Plato Republic*. Tradução: C. D. C. Reeve. Indianapolis, IN, USA: Hackett Publishing Company, 2004.
2. ARISTOTELES. *Nikomachische Ethik*. Berlin: Akademie Verlag, 2010. (Klassiker Auslegen).v. 2
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