

# Preface

During my life as a researcher (a theoretical physicist) and as a teacher (of celestial mechanics, for the last two decades), I always found that the vulgate included in the textbooks of physics not always substantially coincided with what affirmed by the historians of science.

What was taken for granted in the textbooks of physics actually was still a subject of discussion for the scholars of Galileo's works, especially concerning the equations of motion (those we know, and use, under the form of Newton's laws).

From this remark, it came out the idea to "throw a bridge" between the world of the scholars of history of science and the "users" of the textbooks of physics. This bridge is limited to the equations of motion.

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