

# Contents

## ARTICLES

- Francis Bacon and atomism: a new evaluation • 461  
*Silvia MANZO*
- Some relations between Roberval's mechanics and Mersenne's acoustics • 497  
*Paulo TADEU DA SILVA*
- The tension between statics and dynamics  
from Antiquity to the Renaissance • 509  
*Daniel SILVIO VACCARO*
- Notes for a contemporary reading of Galileo's *Mechanics* • 551  
*Julio CELSO RIBEIRO DE VASCONCELOS*

## SCIENTIFIC DOCUMENTS

- Galileo's *Mechanics*:  
simple machines and the modern technological perspective • 565  
*Pablo RUBÉN MARICONDA*
- Mechanics • 607  
*Galileu GALILEI*
- On Descartes' *Treatise on mechanics* • 639  
*Marisa Carneiro de Oliveira Franco Donatelli*
- Letter of René Descartes to Constantin Huygens • 655
- Explanation of machines that can help one use a small force  
to lift a much heavier weight • 657  
*René DESCARTES*

## NOTES AND CRITICISMS

- Concerning the condemnation of Feyerabend in Rome  
for his ideas on the conflict between Galileo and the Church • 665  
*Paulo DOS SANTOS TERRA*