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NEW ASTRONOMY

BASED UPON CAUSES

OR

CELESTIAL PHYSICS

treated by means of commentaries

ON THE MOTIONS OF THE STAR

MARS

from the observations of TYCHO BRAHE, GENT.

BY ORDER AND MUNIFICENCE OF RUDOLPH II EMPEROR OF THE ROMANS, &c.

Worked out at Prague in a tenacious study lasting many years

By His Holy Imperial Majesty's Mathematician JOANNES KEPLER

With the same Imperial Majesty's special privilege In the Year of the Dionysian era MDCIX

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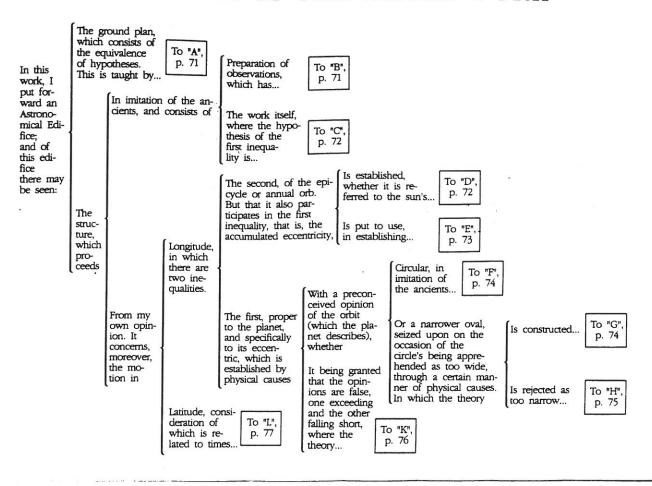
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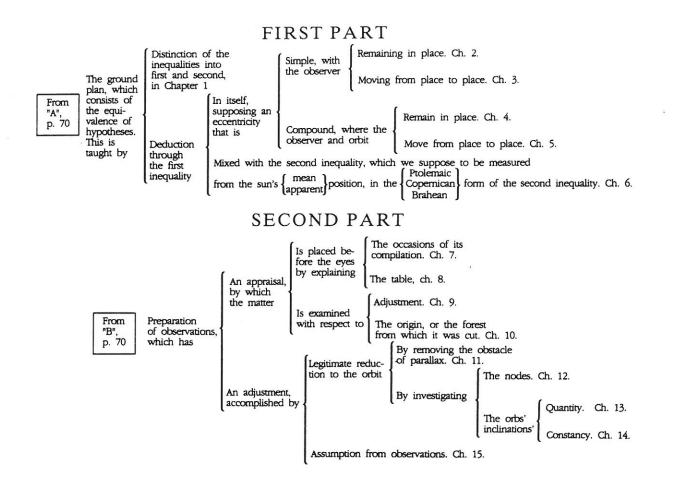
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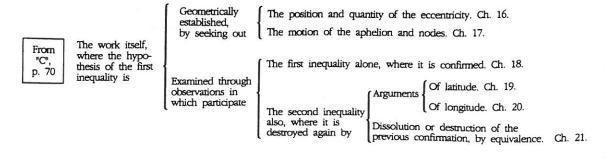
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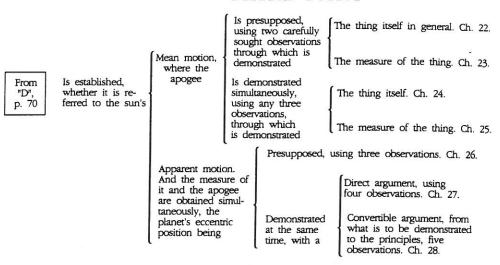
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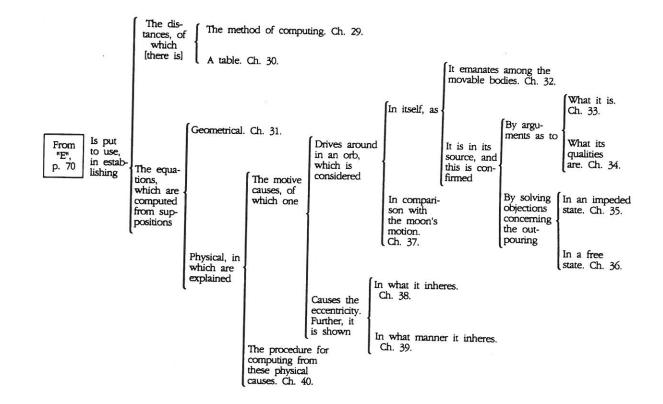




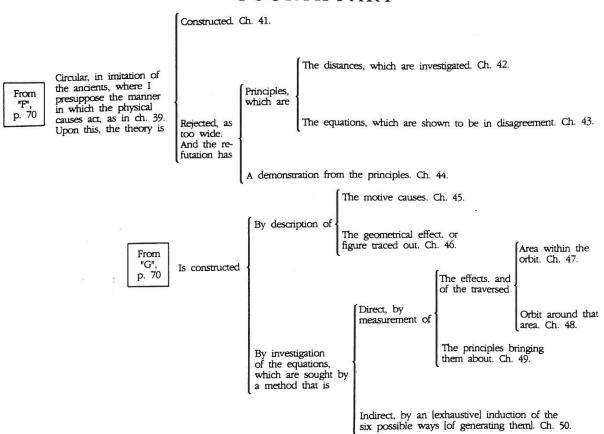


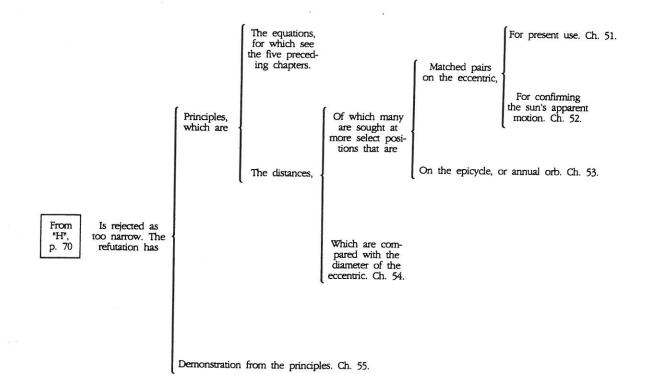
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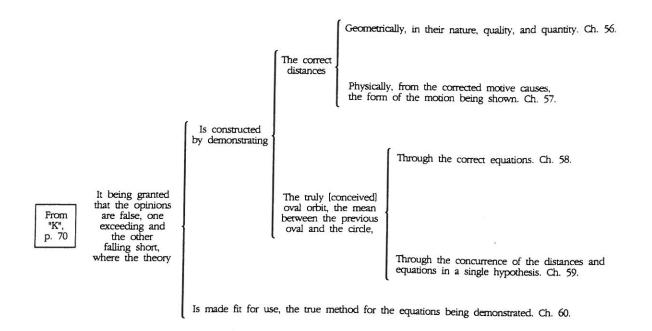




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FIFTH PART Of its beginning, or the position of the nodes. Ch. 61. The geometrical measurement Of its boundary, or the maximum inclination of The first; the limits. and of it. Individually The physical causes. Ch. 63. and separately: For its own The second, or the maximum latitude at conjunction with and opposition to the sun. Ch. 65. sake, in a consideration of inequalities Mixed with each other; that is, where the maximum latitude happens to fall. Ch. 66. Present only. and simple. This is done Form, that its foundation is the sun itself, and not some substitute point. Ch. 67. For confirming the hitherto constucted theory's Latitude, consi-Ratio to the earth's diameter, or examination of parallax. Ch. 64. From deration of "L" which is rep. 70 Inclination of the planes, as well as the ecliptic's change of position lated to times and the nonuniform motion of the nodes and equinoxes. Ch. 68. First inequality Past also, and concerning the mingled with Mean motion of the nodes, as well as that of the aphelion and of several other the eccentric. Ch. 69. matters. For

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