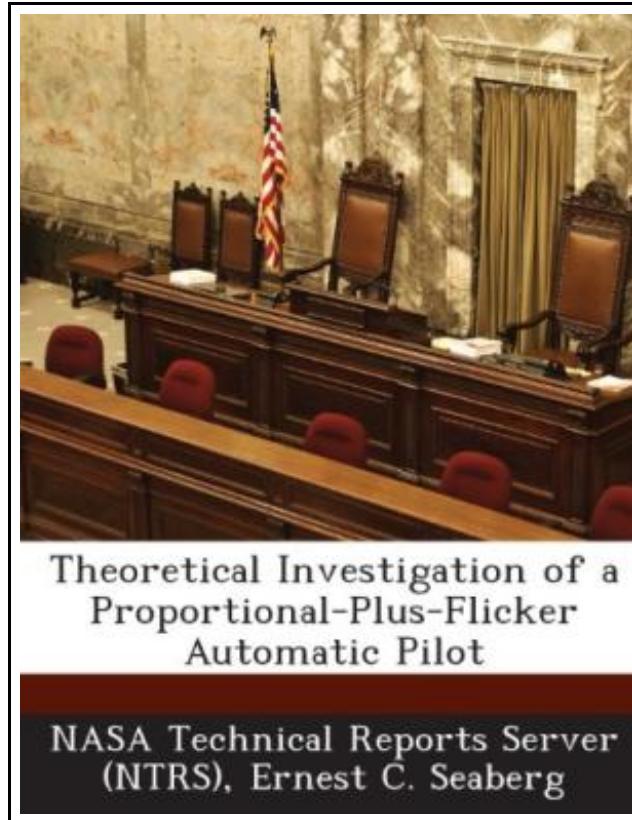


Theoretical Investigation of a Proportional-Plus-Flicker Automatic Pilot



Filesize: 1.19 MB

Reviews

It in a of the best book. Indeed, it really is play, nevertheless an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Sofia Yundt)

THEORETICAL INVESTIGATION OF A PROPORTIONAL-PLUS-FLICKER AUTOMATIC PILOT

DOWNLOAD



To save **Theoretical Investigation of a Proportional-Plus-Flicker Automatic Pilot** eBook, make sure you click the link listed below and download the file or have access to additional information that are highly relevant to THEORETICAL INVESTIGATION OF A PROPORTIONAL-PLUS-FLICKER AUTOMATIC PILOT ebook.

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. The proportional-plus-flicker automatic pilot operates by a nonlinear principle whereby a fast-acting flicker servomotor response is combined with a low-speed proportional servomotor response for the purpose of obtaining supersonic stability and control. Essentially, the autopilot maintains a zero reference about which the output is proportional to the input. However, a flicker response overrides this proportional response at a fixed angle of gimbal displacement on either side of the zero gyroscope reference. Therefore, in contrast to other high speed control systems, the design requirements are simplified because the two components of the proportional-flicker control system are easy to build separately and they can be combined in a relatively simple manner. By application of the proportional-flicker principle, satisfactory stability can be obtained by the proper adjustment of the variable factors in the autopilot mechanism; namely, the proportional gain, the amplitude of flicker control deflection, the autopilot time-lag factor (the time-lag between flicker and proportional operation), and the point in the range that the autopilot switches from a flicker to a proportional system. There is a possibility that these factors can be adjusted so that a more rapid response time (the time to reach steady state) is obtained with the non-linear proportional-flicker autopilot than with a purely linear proportional autopilot. For the main part of this analysis, the proportional part of the system is approximated by a zero-phase-lag proportional autopilot with the assumption that the control surface moves instantaneously at the point where the system switches from flicker to proportional. Good correlation is shown between the results obtained by this method and results obtained by using a close approximation of an actual autopilot transfer function for proportional autopilot operation. This item ships from La...



[Read Theoretical Investigation of a Proportional-Plus-Flicker Automatic Pilot Online](#)



[Download PDF Theoretical Investigation of a Proportional-Plus-Flicker Automatic Pilot](#)



[Download ePUB Theoretical Investigation of a Proportional-Plus-Flicker Automatic Pilot](#)

Relevant Books



[PDF] Animalogy: Animal Analogies

Access the link beneath to get "Animalogy: Animal Analogies" file.

[Read Document »](#)



[PDF] Yearbook Volume 15

Access the link beneath to get "Yearbook Volume 15" file.

[Read Document »](#)



[PDF] The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up

Access the link beneath to get "The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up" file.

[Read Document »](#)



[PDF] Good Night, Zombie Scary Tales

Access the link beneath to get "Good Night, Zombie Scary Tales" file.

[Read Document »](#)



[PDF] God Loves You. Chester Blue

Access the link beneath to get "God Loves You. Chester Blue" file.

[Read Document »](#)



[PDF] DK Readers Robin Hood Level 4 Proficient Readers

Access the link beneath to get "DK Readers Robin Hood Level 4 Proficient Readers" file.

[Read Document »](#)



[PDF] Magnificat in D Major, Bwv 243 Study Score Latin Edition

Follow the link under to read "Magnificat in D Major, Bwv 243 Study Score Latin Edition" file.

[Read ePub »](#)



[PDF] Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large

Follow the link under to read "Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large" file.

[Read ePub »](#)



[PDF] Kingfisher Readers: Space (Level 5: Reading Fluently)

Follow the link under to read "Kingfisher Readers: Space (Level 5: Reading Fluently)" file.

[Read ePub »](#)



[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Follow the link under to read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)" file.

[Read ePub »](#)



[PDF] Angels Among Us: 52 Humorous and Inspirational Short Stories: Lifes Outtakes - Year 7

Follow the link under to read "Angels Among Us: 52 Humorous and Inspirational Short Stories: Lifes Outtakes - Year 7" file.

[Read ePub »](#)



[PDF] Ask Dr K Fisher About Dinosaurs

Follow the link under to read "Ask Dr K Fisher About Dinosaurs" file.

[Read ePub »](#)