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Dictionnaire Des Heresies, Des Erreurs Et Des Schismes, Ou, Memoires Pour Servir A L'Histoire Des Egaremens de L'Esprit Humain Par Rapport a la Religi

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 18 pages. Original publisher: Golden, CO : National Renewable Energy Laboratory, 2007 OCLC Number: (OCoLC)123353531 Subject: Wind turbines -- Testing. Excerpt: . . . Table 3. Maximum Pitch Rates for the State-Space Controller Dataset Pitch Rate (deg s) RMS Pitch Current (Amps) Case 1 5. 64 12. 69 Case 2 6. 64 12. 19 Case 3 6. 89 15. 73 VI. Conclusions In this paper, we have shown the design, implementation, and testing of a MIMO controller to actively damp tower s-s and f-a motion by using generator torque and blade pitch in Region 2. Generator torque effectively damps tower s-s motion; blade pitch effectively damps tower f-a motion. When combined together in a MIMO controller, they actively damp both motions simultaneously without destabilizing the turbine. We described the steps taken to implement this MIMO controller. We resolved issues of accelerometer response at high vibration frequencies. We included filter states in the control model so the controller could compensate for the phase lag produced when the tower-top accelerometer data is filtered before using it as an input to the controller. Another issue was the...



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