

BNL-103938-2014-TECH AGS.SN60;BNL-103938-2014-IR

Synchronization of MG set Frequency with Line

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April 1974

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U.S. Department of Energy

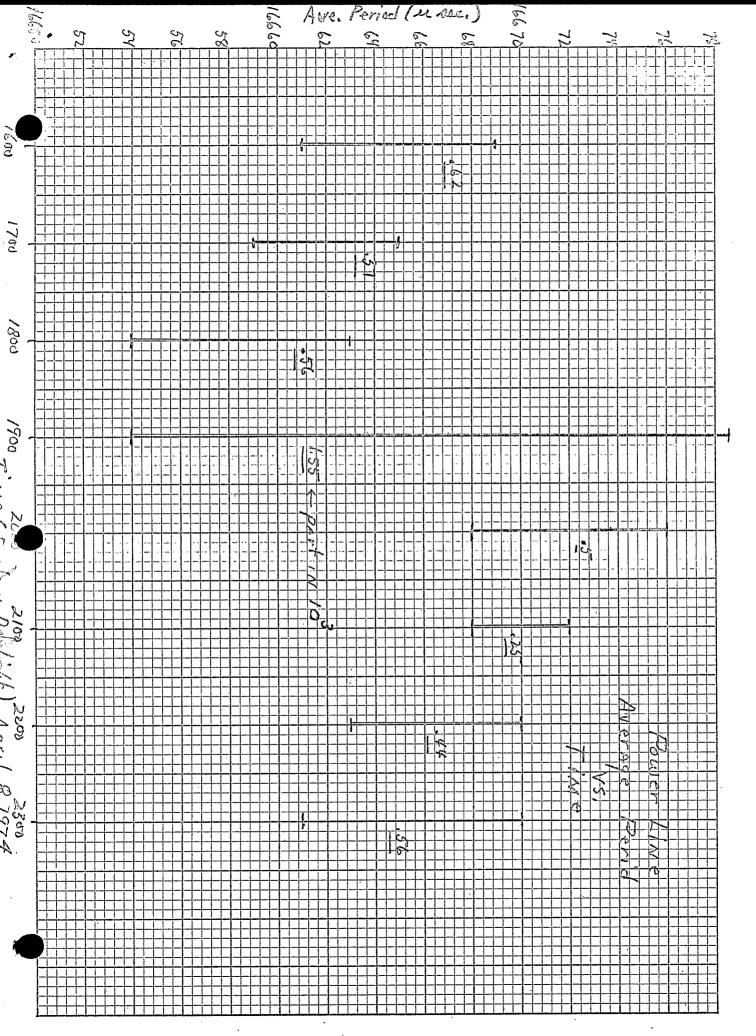
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Blumberg 4 8174 J. G. Cottinghen Robert Gottschalk No.60 Study Report - Arnold feltman, Power Line Freq. the main AGS magnet P.S. is syncied. to the power line not like a scoped is sync-ed but by a circuit that matches rotating forevency of the notating mochinery to that of the power his. Phoe som differencés det to encreas a decrease april and there by act to personal a given phose position. However, due to the large inerties envolve correction can be only much slowly. The septens connot rapicly respond to a change in power line frequency. Therefore such changes will would in sync" . drift attached is plot of power the line over oge period (10 cych over oge) vo time whill shows large variation of some times. This is one reason that the synce is food at some time and not as good at athers. This type of error is foundamental and connot be over cerni. If it the A.G.S. is sensitive to sync" erver included by lime freq. variation, it must be corrected at the source, better sync is not possible



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