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Developing Diagnostic Test Programs Using Model-based Reasoning

Machine Vision Based Vehicle Tracking and Counting

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Parallel Operation of Synchronous Machines

Polysilicon Control Devices for Modern Power Semiconductors

Wilkes Scheduler

Thesis on Electrical Engineering

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Design of Radio Frequency Power Amplifiers

A Thesis Submitted to the Electrical Engineering Dept. of the Massachusetts Institute of Technology

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frequency is taken to
mean that the machines
must Operate together at
the same frequency
without excessive strains,

either mechanical or
electrical, upon them.
Unless this condition
exists, the machines can
never be made to Operate
sat isfactorily together.
The condition of
inequality of frequency is
that which occurs when
two machines are'belted
to the same line shaft

with pulley ratios such that the frequencies can never be the same. If two such machines are connected in parallel a current will flow between them. This current is a load current, and will load the machine of higher frequency to such a point as to supply sufficient power to cause the belts to slip; or the motor action on the machine of lower frequency will become so great that it will not hold in step, but will periodically fall in and out of step as the vectors

come together and again separate. Any such operation is, evidently, out of the question. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in

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