

The background of the book cover features a nighttime aerial photograph of a complex industrial facility, likely a refinery or chemical plant. The structures are illuminated by various lights, creating a glowing network of lines against the dark sky. A large, curved bridge or overpass is visible in the upper left corner, its metallic framework catching some of the ambient light.

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complex systems into a single coordinated stabilized and optimized one They provide readers with MATLAB code which can

be downloaded from the publisher's website to simulate presented results and projects that offer practical hands on experience using concepts discussed throughout the book **Systems and Signal Processing with MATLAB®** Taan S. ElAli, 2021-04-29 Most books on linear systems for undergraduates cover discrete and continuous systems material together in a single volume. Such books also include topics in discrete and continuous filter design and discrete and continuous state space representations. However with this magnitude of coverage the student typically gets a little of both discrete and continuous linear systems but not enough of either. Minimal coverage of discrete linear systems material is acceptable provided that there is ample coverage of continuous linear systems. On the other hand minimal coverage of continuous linear systems does no justice to either of the two areas. Under the best of circumstances a student needs a solid background in both these subjects. Continuous linear systems and discrete linear systems are broad topics and each merit a single book devoted to the respective subject matter. The objective of this set of two volumes is to present the needed material for each at the undergraduate level and present the required material using MATLAB. The MathWorks Inc.

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Proceedings of the ... American Control Conference ,2005 International Conference on

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