

Classical control using H_∞ methods: an introduction to design

Helton, J. William, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20451240&lokasi=lokal>

Abstrak

One of the main accomplishments of control in the 1980s was the development of H_∞ techniques. This book teaches control system design using H_∞ methods. Students will find this book easy to use because it is conceptually simple. They will find it useful because of the widespread appeal of classical frequency domain methods.

Classical control has always been presented as trial and error applied to specific cases; Helton and Merino provide a much more precise approach. This has the tremendous advantage of converting an engineering problem to one that can be put directly into a mathematical optimization package.

After completing this course, students will be familiar with how engineering specs are coded as precise mathematical constraints.