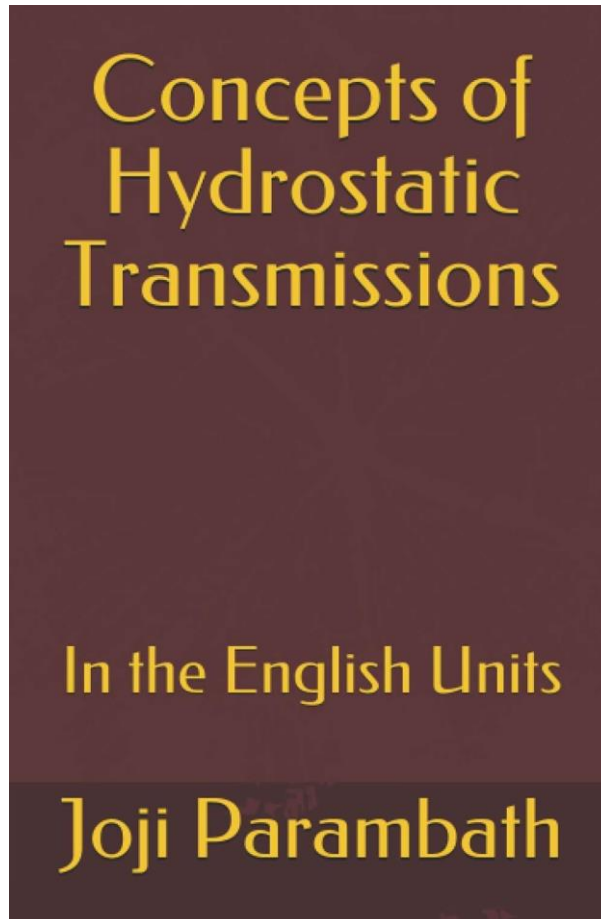


Concepts of Hydrostatic Transmissions (In the English Units)

by

Joji Parambath



About the Book

Hydrostatic transmissions (HSTs) occupy a distinct place in fluid power technology. They are widely used in agricultural tractors, on- and off-highway mobile equipment, and various self-propelled equipment. An HST provides an infinitely variable speed range between zero and maximum in both forward and reverse modes of operation without changing the prime mover speed. Moreover, manufacturers are bringing out smaller and lighter HSTs with improved performance and advanced electronic controls. These factors now make HSTs a cost-effective choice for many applications.

This book presents the principles of hydrostatic transmissions. It mainly describes the concepts of open-circuit and closed-circuit HSTs. Additionally, it gives the specifications and design aspects of HSTs. The book uses the English system of units.

About the Author

Joji Parambath is an accomplished professional with over 25 years of experience in Pneumatics, Hydraulics, and PLC. Throughout his illustrious career, he has trained professionals from various industries, faculty members, and engineering students, imparting his knowledge and expertise to the next generation of learners. The author's extensive experience in handling topics such as industrial hydraulic systems, mobile hydraulic systems, and hydraulic system design has uniquely positioned him to prepare this book on advanced hydraulics.

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