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 Analysis of the robot workspace
 5.8. Velocity transmission between joint space and task space
 5.9. Static model; 5.10. Second order kinematic model; 5.11. Kinematic model
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 6.5. Inverse kinematic model of redundant robots; 6.6. Numerical
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 Chapter 7. Geometric and kinematic models of complex chain robots
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 calculation of q_p and q_c in terms of q_a ; 7.10. Number of degrees of
 freedom of robots with closed chains
 7.11. Classification of singular positions

Sommario/riassunto

Written by two of Europe's leading robotics experts, this book provides the tools for a unified approach to the modelling of robotic manipulators, whatever their mechanical structure. No other publication covers the three fundamental issues of robotics: modelling, identification and control. It covers the development of various mathematical models required for the control and simulation of robots.

- World class authority
- Unique range of coverage not available in any other book
- Provides a complete course on robotic control at an undergraduate and graduate level

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