



Ebook Directory
the best source of ebook

The book was found

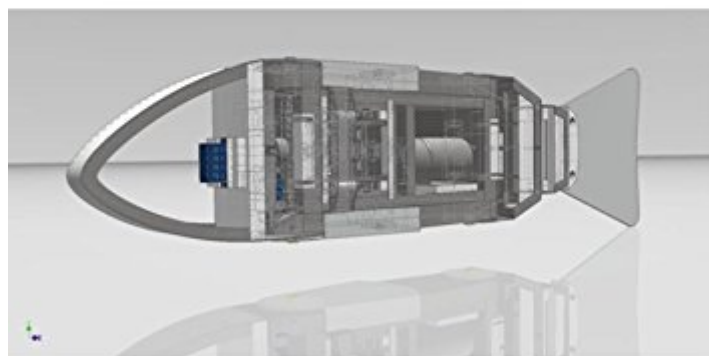
Robotic Fish ISplash-OPTIMIZE: Optimized Linear Carangiform Swimming Motion (High Speed Robotics. Mechanical Engineering And Kinematics For Maximum Velocity Robot Fish. Book 3)

Robotic Fish

iSplash-OPTIMIZE

Optimized Linear Carangiform Swimming Motion

By Richard James Clapham



www.isplash-robotics.com



Synopsis

Robotic Fish iSplash-OPTIMIZE: Optimized Linear Carangiform Swimming Motion By Richard James Clapham
Abstract. This paper presents a new robotic fish, iSplash-OPTIMIZE, which is 0.6m in body length and deploys a single actuator to drive discrete links across the full-body length. The main focus is on optimizing the kinematics parameters of its linear carangiform swimming motion in order to improve the distance travelled per beat. The experimental results show that the fish can be actuated at high frequencies up to 20 Hz due to deploying a continuous rotary power source. Each discrete link is able to be precisely tuned, providing accurate kinematics with little mechanical loss.
Keywords: Robotic fish Carangiform swimming Mechanical drive system Full-Body length.

Book Information

File Size: 755 KB

Print Length: 22 pages

Publication Date: February 3, 2016

Sold by: Digital Services LLC

Language: English

ASIN: B01BGPH8V6

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #731,616 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #122

in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Sensors #138 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Mechanical > Robotics #219 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Computer Technology > Robotics & Automation

[Download to continue reading...](#)

Robotic Fish iSplash-OPTIMIZE: Optimized Linear Carangiform Swimming Motion (High Speed Robotics. Mechanical engineering and kinematics for maximum velocity robot fish. Book 3) Robotic Fish iSplash-MICRO: A 50mm Robotic Fish Generating the Maximum Velocity of Real Fish (High Speed Robotics. Mechanical engineering and kinematics for maximum velocity robot fish. Book 4) Robotic Fish iSplash-II: Realizing Fast Carangiform Swimming to Outperform a Real Fish Speed

Training for Combat, Boxing, Martial Arts, and MMA: How to Maximize Your Hand Speed, Foot Speed, Punching Speed, Kicking Speed, Wrestling Speed, and Fighting Speed Robotics: Everything You Need to Know About Robotics From Beginner to Expert (Robotics 101, Robotics Mastery) Robotics: Discover The Robotic Innovations Of The Future - An Introductory Guide to Robotics Survival Swimming: Swimming Drills to Learn and Improve on the Five Best Swimming Strokes for Survival (Survival Fitness Series Book 4) Smoking Meat: Fish Edition: Top 25 Amazing Smoked Fish Recipes (Smoked Fish Recipes, Smoked Fish Cookbook, Smoked Fish Guide, Unique Smoking Fish Recipe Book, Smoking Meat, BBQ Cookbook) Robots and Robotics High Risk Robots Macmillan Library (Robots and Robotics - Macmillan Library) Smoking Meat: Fish Edition. : Delicious Smoking Fish Recipes for Everyone (Book 2, Smoked Fish Recipes Cookbook, Smoked Fish Guide, Unique Smoking Fish Recipe Book, Smoking Meat, BBQ Cookbook) Swim Speed Strokes for Swimmers and Triathletes: Master Freestyle, Butterfly, Breaststroke and Backstroke for Your Fastest Swimming (Swim Speed Series) Mechatronic Hands: Prosthetic and Robotic Design (Iet Control, Robotics and Sensors) High Fiber Recipes: 101 Quick and Easy High Fiber Recipes for Breakfast, Snacks, Side Dishes, Dinner and Dessert (high fiber cookbook, high fiber diet, high fiber recipes, high fiber cooking) Speed Reading: Triple Your Reading Speed in Less than 24 Hours: The Comprehensive Guide to Speed Reading and Skyrocketing Your Productivity Speed of Thought = Speed of Play: 25 Training Sessions That Increase Speed of Play In Soccer Speed Reading: The Comprehensive Guide To Speed Reading â “ Increase Your Reading Speed By 300% In Less Than 24 Hours Code Check Plumbing & Mechanical 4th Edition: An Illustrated Guide to the Plumbing and Mechanical Codes (Code Check Plumbing & Mechanical: An Illustrated Guide) Evolutionary Robotics: The Biology, Intelligence, and Technology of Self-Organizing Machines (Intelligent Robotics and Autonomous Agents) Robotics, Vision and Control: Fundamental Algorithms in MATLAB (Springer Tracts in Advanced Robotics) Robotics, Vision and Control: Fundamental Algorithms In MATLAB, Second Edition (Springer Tracts in Advanced Robotics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)