

Michigan Math Club

Thursday at 4pm in the Commons

Free Pizza and Pop



What is an Optimal Fish Fin?

Silas Alben

Abstract for 15 Nov 2012



Many biological structures are highly adapted for certain functions. We can determine mathematically what structures are optimal for performing a given task under suitable constraints. Along the way, we can gain new understandings of biological structures. I'll consider mechanics problems involving fish fins and possibly jellyfish swimming.