



Sailing Faster

A lot of work takes place on the water in competitive racing. Yet there's also a great deal of work done on land designing a boat's hull and sails years before the starting gun ever sounds. Much of the process of creating a 20-ton vessel that must move efficiently through air and water involves mathematics—specifically the theory of fluid flow. In fact, roughly 40 million equations are used in the design of today's America's Cup yachts to ensure that their crews sail the fastest boats possible.



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