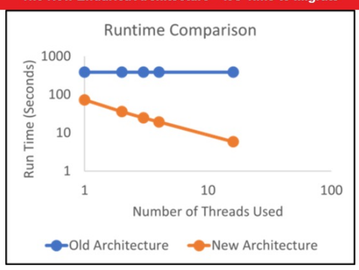
SPEAKING ENDURICAN

Endurica
Get Durability Right

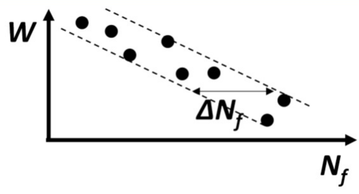
The New Endurica Architecture – It's Time to Migrate



1,219 words | 5 minute read

Our transition to a new software architecture is a vital move in navigating the dynamic technological landscape. In a recent webinar, we discussed the aspects of this transition, providing insights into the why and how of adopting a new architectural approach despite having a functional existing one. *This post highlights the motivations behind the shift, the present status of feature migration, alterations in the latest software release, and an overview of projects within this new framework.* **READ MORE**

Tolerances in Fatigue Life Prediction



486 words | 2 minute read

I get this question a lot: how well can the Endurica software predict fatigue life? Is it as good as a metal fatigue code, where a factor of 2x is often quoted as a target tolerance?

The answer is *yes*, fatigue life predictions can reach and beat this level of accuracy. But as always, knowledge and control of the problem at hand is key. We must keep in mind...
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The only thing better than using the world's most-validated rubber durability simulation software is talking with others who are also Winning on Durability at our First Ever Endurica Users Meeting. An added bonus: on April 8 we will all experience the awe of a Total Solar Eclipse in Findlay, Ohio, which lies nearly centered on the path of totality...

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Rubbernecking is an interesting thing that makes us look twice -- this issue we check out rubber making muscles

A rectangular microrobot, which weighs less than one-fourth of a penny, has four sets of wings that are each driven by a soft actuator. These muscle-like actuators are made from layers of elastomer that are sandwiched between two very thin electrodes and then rolled into a squishy cylinder. When voltage is applied to the actuator, the electrodes squeeze the elastomer, and that mechanical strain is used to flap the wing. **Check it out**