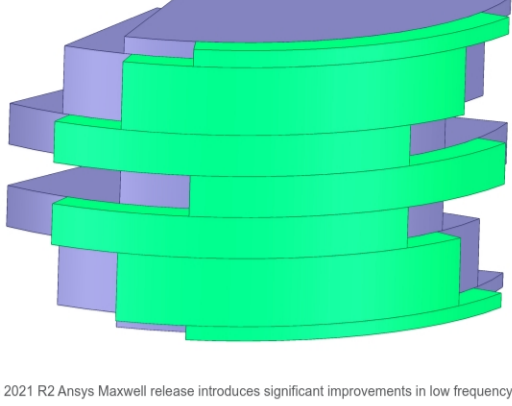


## ANSYS 2021 R2: ANSYS MAXWELL UPDATE

July 29, 8:00 AM PDT



The 2021 R2 Ansys Maxwell release introduces significant improvements in low frequency simulation capabilities and numerous multiphysics enhancements that extend NVH to broader applications.

This webinar provides a deep dive look at Ansys Maxwell's powerful new features.

### What attendees will learn

- We will discuss how Maxwell's A-phi solver performs transient multi-conduction path simulation, which enhances the conductive emission for EMC analysis for busbar, power electronics and multi-layer PCBs.
- We will also examine Maxwell's improved and faster 2D skew design capability with V-shape and user-defined skew configurations, enabling designers to define any 3D physical skew topology onto a 2D design while maintaining 3D accuracy of electrical machine performance prediction at the speed of 2D simulation.
- Additionally, we will spotlight numerous multiphysics enhancements to NVH, covering more practical applications, including options of window function for discrete fourier transformation, object-based harmonic force calculation with arbitrary skew slice model and added anisotropic elastic properties for enhanced magnetostriction force modeling.
- Lastly, we will explore enhanced thermal dependency response of permanent magnets, supporting temperature-dependent multiple demagnetization curves.

[Register](#)

## Improving Electronics Reliability Webinar Series

### YouTube Video Recordings



If you missed our 5-part webinar series on "Improving Electronics Reliability", the video recordings are now available on our YouTube Channel Playlist:

[Improving Electronics Reliability Webinar Series](#)

### Why is it important?

One of the biggest barriers to getting a product to market is unexpected failures during prototype or physical testing. This can result in numerous design cycles, increased costs, delays, and loss of market share.

Businesses that manufacture printed circuit boards (PCBs) can solve these issues by introducing simulation early in the design cycle to determine and predict reliability before physical testing.

Overall, the primary questions to be addressed are:

- How do I meet urgent market demands faster than my competition AND be confident that my product is reliable?
- How does simulation save me money and expedite the design cycle?
- What are the current drivers of electronics reliability?
- What kinds of analysis and testing can I perform using simulation software?

Consider subscribing to our [YouTube Channel](#) to view more instructional video and get alerts when new videos are added.

## Did you know?

A bit of trivia to hopefully enlighten your day and amaze your family and fellow engineers.

Did you know:

- red is the first color a baby sees
- there are over 100 ways to cook an egg
- white chocolate isn't actually chocolate
- color blind people have better night vision
- "scaunched" is the longest word with one syllable

## Upcoming Ansys Webinars

You can also view all of the upcoming webinars by visiting our [Training Calendar](#).

### [Ansys 2021 R2: Ansys HFSS Update](#)

July 22, 2021 - 8:00 AM PDT

This webinar spotlights groundbreaking technologies in Ansys HFSS, which address PCB and 3D-IC package design challenges as well as advancements in antenna design.

### [Ansys 2021 R2: Embedded Software Solutions for Automotive](#)

July 22, 2021 - 8:00 AM PDT

Explore the latest embedded software enhancements in Ansys 2021 R2 and learn how they will substantially advance automotive embedded software development projects while increasing communication among team members.

### [Ansys 2021 R2: Safety Analysis Update](#)

July 27, 2021 - 8:00 AM PDT

Learn how you can improve productivity and integrate the newest Ansys medini analyze features to substantially advance your safety-related activities. Also, discover the new Ansys Digital Safety Manager and how it is revolutionizing the overall management of safety-related activities.

### [Ansys 2021 R2: What's New with Ansys VRXPERIENCE Sound](#)

July 27, 2021 - 8:00 AM PDT

Learn how you can use the Sound Composer to generate evolving broadband noise, such as interior car sound in acceleration or deceleration, and how to easily access and transfer data to other Ansys solvers.

### [Ansys 2021 R2: What's New in Ansys Granta MI](#)

July 28, 2021 - 8:00 AM PDT

Learn how Ansys Granta MI in Ansys 2021 R2 significantly improves productivity for design, simulation and materials engineers. Granta MI now features easier access and use of core, trusted materials data through an improved UI and deeper integrations with a range of engineering tools.

### [Capturing Aerodynamic Characteristics to Describe Aircraft Maneuverability](#)

July 28, 2021 - 11:00 AM PDT

This webinar provides an overview of a new Ansys Fluent Aero feature (available in preview) that evaluates the lift and drag curves of an airfoil design and exports an STK Aviator performance model associated with that wing.

### [Ansys 2021 R2: What's New in Ansys Granta Selector](#)

July 29, 2021 - 8:00 AM PDT

This webinar explores how Ansys Granta Selector in our latest release, Ansys 2021 R2, helps engineers early in the design stage make materials tradeoffs and better decisions with the latest materials data available.

### [Ansys 2021 R2: Embedded Software Solutions for Aerospace & Defense](#)

July 29, 2021 - 8:00 AM PDT

Explore the latest embedded software enhancements in Ansys 2021 R2 and learn how they will substantially advance aerospace & defense embedded software development projects while increasing communication among team members.

Try Ansys Cloud with a Free Trial!


**Ansys**

CLOUD

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