You are viewing this newsletter because PADT does business with you, you attended an event, or you subscribed. If you would rather not get this monthly newsletter, unsubscribe with the link at the bottom of this email.

View as Webpage

January 2024 **www.padtinc.com**

Featured Stories

PADT Colorado has Moved!

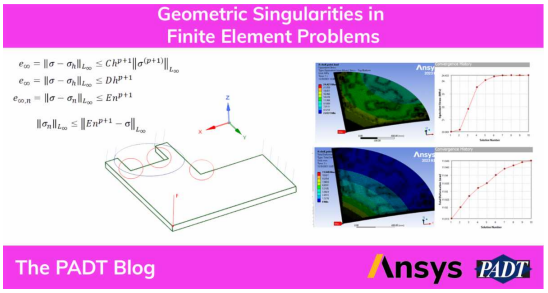
After 13 years in historic downtown Littleton, PADT has moved its Colorado office 15 miles Northwest to Lakewood. The new office is on the fifth floor of the Union Tower Building and the move was made to get closer to customers and employees.

Read More

Flownex Student Rocketry Highlights

PADT, Inc's Alex Grishin, has studied the problem of geometric singularities in Finite Element Problems from a mathematical and practical standpoint and has been kind enough to sum it all up for us in the PowerPoint below. This post helps users understand where and why geometric singularities occur.

Read More



What's New in Flownex SE (2023 – Update1)?

The 2023 release of Flownex is adding even more benefits to close out 2023. Flownex SE 8.15.1 has improved GIS importing capabilities, transient node results, flexible graph axis labels, updated manuals, tutorials, and verification content. Read the post to learn more.

Read More

Customer Corner

First-of-its-Kind Flight Trials Integrate Uncrewed Aircraft Into Controlled Airspace

Led by Wisk Aero, A partnership of aviation leaders has successfully completed a first-of-its-kind trial, including a series of test flights aimed at evaluating the operational integration of uncrewed aircraft flying beyond visual line of sight (BVLOS) into controlled airspace.

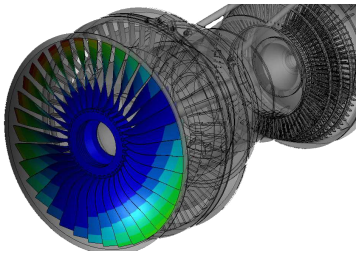
Read More

NASA, Lockheed Martin Reveal X-59 Quiet Supersonic Aircraft

NASA and Lockheed Martin formally debuted the agency's X-59 quiet supersonic aircraft Friday, January 13, 2024. NASA aims to gather data that could revolutionize air travel, paving the way for a new generation of commercial aircraft.

Read More

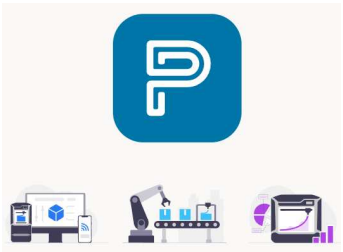
Featured Products and Services



Simulation Product
Ansys LSDyna

Ansys LS-DYNA is the industry-leading explicit simulation software used for applications like drop tests, impact and penetration, smashes and crashes, occupant safety, and more. If you think of LSDyna as a metal forming or car crash tool only, you need to take a fresh look.

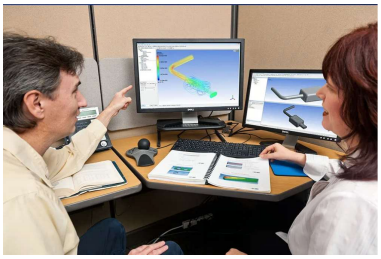
Learn More



3D Printer
Stratasys GrabCAD Print Pro

GrabCAD Print Pro, supports high-performance end-use parts or prototypes utilized in process-controlled conditions. This includes enhanced features such as: Accuracy Center, Manufacturing Templates, 3rd Party Plugins, and Per-Part Estimation. Additional features will be included in future releases.

Learn More



Services
Ansys Mentoring

Sometimes you need to go beyond simple tech support questions. PADT's Ansys mentoring puts one of our experienced engineers at your disposal. You can use their knowledge as you see fit. It may be one-on-one training, perhaps they will help debug a model, or maybe they are creating some simple scripts to help you be more efficient.

Learn More

Upcoming Events

- 02/06/2024 - 02/08/2024 | IME West (MD&M and D&M West)
- 02/06/2024 - 02/08/2024 | 2024 Transformative Flight
- 03/27/2024 - 03/28/2024 | Arizona Space Summit, 2024
- 04/08/2024 - 04/12/2024 | 39th Space Symposium

What You Missed...

PADT Webinars

Improving Health Care with Additive

Optics Updates in Ansys 2023 R2

Twin Builder Updates in Ansys 2023 R2

All Things Ansys Podcasts

125: 2023 Wrapup

124: Ansys Licensing

123: Simulation in the Medical Space

Did You Know?

PADT is turning 30 in 2024? It seems like only yesterday that we gathered to celeberate or 25th year. The last 5 years have been transformative and furthered the reputation of our employees. Watch this newsletter and social media, or visit our **PADT30 Page** for ways to help us celebrate.

The Latest Definition from PADT's 3D Printing Glossary

3D Manufacturing File [3MF]

An XML based file format used in **additive manufacturing** to define a **part** to be printed. As an alternative to STL format, it still uses facets to describe the **part** surface but also has **support** for color and texture specification, a way to efficiently describe lattice structures, and support for multiple materials. It is also extensible and other **part** characteristics can be included.

Abbreviated as 3MF

Categories: Product Definition

Current Job Openings

- Application & Support Engineer, Structural
- Business Development Representative, Software Sales
- Model Based Systems Engineer

Thank you for taking the time to read our email. If you have any questions, reach out at 480.813.4884 or **info@padtinc.com** or learn more at **www.padtinc.com**. Always feel free to forward this to anyone you think might be interested.

We Make Innovation Work

Did someone forward this email to you?
You can add your own email to our list **here**
and get The PADT Pulse every month.