

CREATE BIO-INSPIRED & COMPLEX SHAPES WITH STUNNING GENERATIVE PATTERNS, PROVIDING AUTOMATED ALTERNATIVE STUDY AT EARLY DESIGN STAGE

OVERVIEW

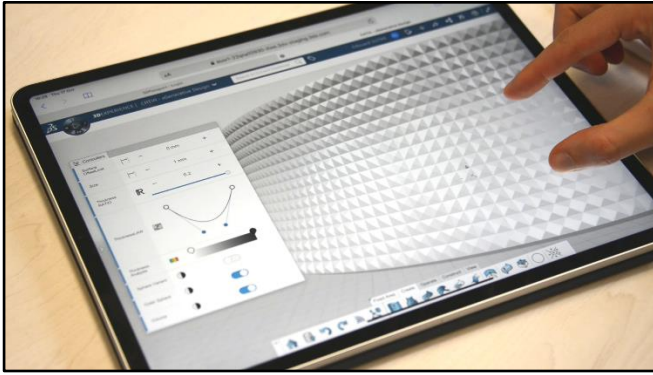
3D Pattern Shape Creator allows you to design any creative shapes and patterns (including advanced wireframes & surfaces) using CATIA parametric modeling technology with high automation.

Whether you work in the 3D immersive view or in the graphical scripting interface, you can design accurate geometries through a set of logic operations defined by input and output parameters.

Built on the cloud-based 3DEXPERIENCE® platform, 3D Pattern Shape Creator provides an intuitive and powerful browser-based User Experience, stores design data securely in one central location and works seamlessly with the design-to-manufacturing, data management and collaboration solutions on the platform.



KEY BENEFITS



- Quickly generate simple to complex and non-regular shapes and patterns
- Extend the styling capabilities to create 3D innovative patterns and bio-inspired shapes
- Amplify the design process, increase creative flexibility, and explore more alternatives
- Interactive & 3D centric : make more informed design-decisions and shape research
- Capture and reuse the knowledge and design best practices with templates approach
- Bring automation technology to a wider audience to reduce repetitive activities
- Guarantee the best geometry quality and accuracy for the downstream detailed activities
- Ensure digital continuity with the extended enterprise thanks to the 3DEXPERIENCE Platform
- Web & cloud technologies: no installation for instant deployment, accessible anytime, anywhere, and on any device

KEY HIGHLIGHTS

- Web application, available inside the 3DEXPERIENCE Platform as a widget

KEY HIGHLIGHTS

- Design and update all types of wireframes and surfaces through logic operations. Generate multiple geometries by managing collections of objects
- Beginners to Experts progressive user experience
- Unique single environment that combines interactively a generative 3D modeling approach and a graph-based visual scripting interface
- Organize and structure your graph according to your design process & methodology
- Embedded templating mechanism to capture and reuse Intellectual property
- Centralized access to main design parameters for design exploration
- Available on CLOUD exclusively

CAPABILITIES OF THE 3DEXPERIENCE PLATFORM

With its growing solution portfolio and secure cloud technology, the **3DEXPERIENCE** platform enables you to manage all facets of your product development process while reducing infrastructure costs, IT overhead, software maintenance and complexity. All **3DEXPERIENCE** solutions work together seamlessly, simplifying data management, sharing and collaboration across your entire business ecosystem. 3D Pattern Shape Creator can take advantage of the following platform capabilities:

- Store all your design data in a centralized, secured location in the cloud.
- Manage the lifecycle of any type of content such as 3D design files, simulation models and documentation—across disciplines and CAD applications.
- Streamline data management with built-in revision control and branching.
- View, share, annotate, discuss, visualize and manage designs from any device with a web browser.
- Intuitively toggle between platform solutions, such as 3D Creator and 3D Sculptor, to design complex assemblies that include a variety of design types.

Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.



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