

ORTHOTROPIC

Meaning: Orthotropic refers to materials or approaches that exhibit different properties and behaviors in different directions, often utilized in engineering and orthodontics for enhanced performance and alignment.

1. Orthotropic materials have unique properties that make them ideal for specific engineering applications.
2. In orthodontics, an orthotropic approach can significantly improve the alignment of teeth and jaws.
3. The study of orthotropic behavior in timber has advanced our understanding of its load-bearing capabilities.
4. Researchers are exploring orthotropic surfaces to enhance the performance of various mechanical systems.
5. Understanding the orthotropic nature of certain biological tissues is crucial for developing effective medical treatments.

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