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Proof Of Concept For New Composite Structures Of Aircraft The Percentage Of Composite Materials Is Expected As Over 40% Of Structural Weight By Application Not Only To Tail And Control Surfaces But Also To Primary Structures Such As Wing. So New Design Approaches Are Needed To Use New Material Instead Of Aluminum Alloy Reigning The Aircraft Structures For Long In Order To Ensure Flight Safety. 1th, 2024 Aircraft Design Introduction To Aircraft Structures • The Aircraft Might Be Pitching Effect On The Loading (increase Of Decrease) • Elastic Deformations Of The Structure Might Increase The Severity - So Becomes • F Is The Gust Alleviation Factor (