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| DocumentID        | 241464  |
| Vortragstitel     | Panoramic Windows in Aeroplanes? - Vision or Fantasy  |
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| Preisträger       |   |
| Vortragssprache   | englisch  |
| Seiten            | 9   |
| Veranstaltung     | Deutscher Luft- und Raumfahrtkongress 2011  |
| Veranstaltungsort | Bremen  |
| Veröffentlicht in | Deutscher Luft- und Raumfahrtkongress, Tagungsband - Manuskripte, 2011; Seite 627 - 636; DGLR e.V.; Bonn; 2011  |
| Stichwörter       | Flugzeugzelle<br>geodätische Rumpfstruktur  |
| Abstract          | <p>The considered theme affects a wide range of the different technical but also physiognomie divisions inside an aeroplane. On the side of structural principles the use of none loaded panes, exclusive of internal overpressure, as well as an interieur without a life transmission of the surround outlook are important boundaries for the actual investigations. It began with the question: How could retrofit structural designs better handle with fuselage openings than conventional plate structures involving skins? Of course important adaptations are expected - for example to the 100 years old approach of the quasi two dimensional framework. Note, it is state of the art in architecture.</p> <p>Additional requests are such as possible derivations of a well known framework by a bionic driven design, in the more general sense of biomimetic. If its methods are able to describe, then the research shall be extended to the application for windows up to emergency exits as weil as passenger doors.</p> |