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| ISBN | 3-030-93142-0 |
| Descrizione fisica | 1 online resource (99 pages) |
| Collana | SpringerBriefs in Applied Sciences and Technology. |
| Altri autori (Persone) | MarquesEduardo A. S CarbasRicardo J. C Martins da SilvaLucas Filipe <1973-.> |
| Disciplina | 621.825 |
| Soggetti | Adhesive joints - Mathematical models Materials - Fatigue |
| Lingua di pubblicazione | Inglese |
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| Nota di contenuto | Cohesive zone modelling (CZM) --CZM analysis for quasi static loading conditions --Fatigue degradation models for adhesives --Fatigue modelling of adhesive joints using CZM --Mixed mode fatigue life analysis of a single lap adhesive joint using CZM. |
| Sommario/riassunto | This book explains the numerical method for fatigue life analysis of adhesive joints using the CZM technique. CZM is a robust approach that is widely used for failure analysis of adhesive joints exposed to various stress conditions including fatigue. In this book, various aspects of the numerical evaluation of adhesive bonds using CZM are discussed |