



Camoens Et Les Lusiades Etude Biographique, Historique Et Litteraire

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 46 pages. Original publisher: Aberdeen Proving Ground, MD : Army Research Laboratory, 2001 OCLC Number: (OCoLC)695031489 Subject: Coatings. Excerpt: . . . 2. Structural Calculation Methodology The coupled thermo-mechanics stress state of the barrel with a coating is required to determine the interfacial loads which contribute to coating breakdown. In order to solve for interfacial stresses between a coating and a semi-cylindrical axisymmetric cylindrical shell, the principal stresses must be computed for both coating and base material. It is important to note that the calculations contained within this report assume that the initial state of the tube and coating are free of stress. Residual stresses due to plating and autofrettage are not present. Nominal stress states are possible in future work. Following Timoshenko and Goodier (1970), in order to solve the equilibrium equations, where θ is the angular coordinate, ϕ is the axial direction. $\sigma_{\theta\theta}$, $\sigma_{\phi\phi}$ are with the following Poisson relations for ϵ strains, with ν is the CTE and the Poisson coefficient, $\sigma_{\theta\theta} = \nu \sigma_{\phi\phi}$, $\sigma_{\phi\phi} = \nu \sigma_{\theta\theta}$ and...

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