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FLUTTER PANEL EQUATION IN NON CYLINDRICAL DOMAIN

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Abstract. The motion for small-amplitude of a thin elastic panel with both linear-weak and linear-strong damping are investigated in one-dimensional domain with moving boundary. Existence and uniqueness of global solutions are shown. Asymptotic behavior of energies are also established.

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Key Words and Phrases. Flutter panel equation, non cylindrical domain, existence of solutions, uniqueness, asymptotic behavior.

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