## On Problems for Deformations and Oscillations of Piezoelectric Elastic Infinite Layer

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In the present work we consider piezoelectric elastic infinite layer as follows (see [1], [2])

$$\tilde{V} := \{(x_1, x_2, x_3) \in R^3 : 0 \le x_3 \le L, \quad -\infty < x_\alpha < +\infty, \quad \alpha = 2,3\}$$

The present talk is devoted to the static and dynamic problems such materials when the constitutive coefficients depending on the body projection (i.e., on a domain lying in the plane of interest) variables may vanish either on a part or on the entire boundary of the projection.

## References

- [1] G. Jaiani. *Piezoelectric Viscoelastic Kelvin-Voigt Cusped Prismatic Shells*, Lecture Notes of TICMI, Vol. 19 (2018)
- [2] D. Natroshvili. *Mathematical Problems of Thermo-Electro-Magneto-Elasticity*. Lecture Notes of TICMI, 12, Tbilisi University Press, 2011.