# A question of Valery Gritsenko

In my talk in the conference I presented one possible $t$-deformation of the modular forms of orthogonal type. The second $t$-deformation exists for the Jacobi lifting. One has the Jacobi type deformation of the quasi-modular Eisenstein series

$$\nabla'_D(X)(G_2) = 1 - 2\sum_{\nu\geq 1} \frac{D^{\nu-1}(G_2)}{\nu!(\nu-1)!} X^\nu \in J^t_{0,m},\ X = (2i\pi mt)^2.$$

(See *slide 12. Applications* of my talk.) Then for any holomorphic Jacobi form $\phi(\tau,\mathfrak{z}) \in J_{k,L_0}$ (see *slide 10. Jacobi forms in many variables* of the talk) we get

$$\mathrm{Lift}\,(\phi(\tau,\mathfrak{z})\nabla'_D(X)(G_2)) \in M^t_k(\tilde{O}^+(L)).$$

**Question.** *To construct other $t$-deformations of modular forms.*