QUANTUM ANTIGRATIVITION OF VAPOUR-AIR JET

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We invented the extra-sound device (ESD) which allows to receive the stable extra-sound gas jet with regular interacting structure-shock waves in flooded space. In present paper results of new experiments: beginning from some initial value of pressure in the vicinity of the radius $r \sim 10m$ of the water-vapour jet in air there arises the phenomenon of quantum antigravitation generated by regular waves. In this vicinity of vapour-air jet there defined the parameters of electromagnetic wave

$$\nu = 10^9 - 10^{16}Hz \quad \lambda : 4 \times 10^{-2} - 3 \times 10^{-8}m;$$

(1)

also, were defined: voltage from $1kV$ to $50kV$, electric field strength $\sim 10^4 V/m$, strength in vapour-air jet $\sim 10^{-6}/10^{-3}A$, power of quant radiation at electrons density $10^{15}m^{-3}$ is $10^{5}1/c$, Lengmure’s frequency, wavelength of which corresponds to the experimental data. We have noted that the character of quants radiation on distance 2-3 radius defined above has antigravitational direction and the potential in the 20-30m distance from jet is constant. Radiation is directed from Earth’s surface upwards.