

# The electric field driving generator

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**Abstract**— Dr. Feynman expected that it is theoretically possible to get electric energy from an electric field. A new electrostatic generating methods was proposed for realizing this dream .This methods use Asymmetric electrostatic force to transport a charge carrier of the generator. Then this generator called as the electric field driving generator.

After many pendulum type experimental equipment have been tested, a rotation type equipment was made. At first, it could not work, but it worked very well after using ADB bearings. Because its kinetic friction coefficient is very low. And Feynman's expectation has been confirmed by an actual experiment.

## 3. EXPERIMENT INSTRUMENT

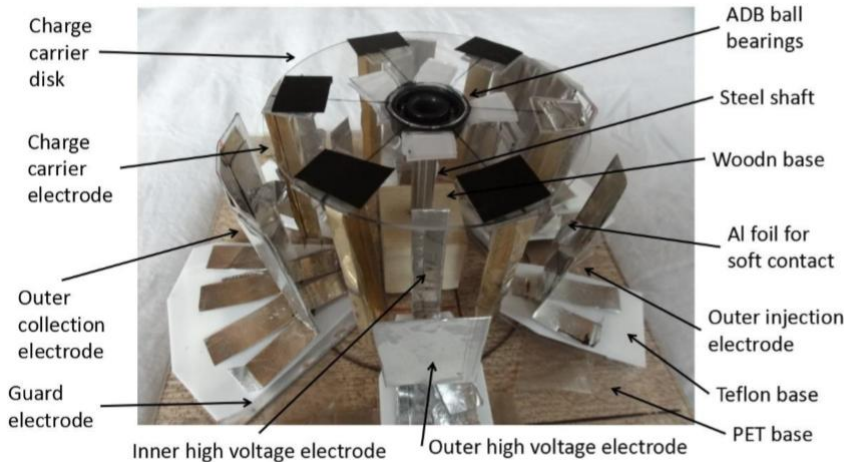


Fig. 6 A photograph of the main part of the experiment equipment of the electric field driving generator

On the early stage of this experiment, Teflon contact between the charge carrier disk and the steel shaft was used. However, a kinetic friction coefficient of Teflon is not enough to rotate the charge carrier disk by an electrostatic force only. Therefore, the ADB bearings was selected in place of Teflon contact. This detail will be explained in the next chapter.

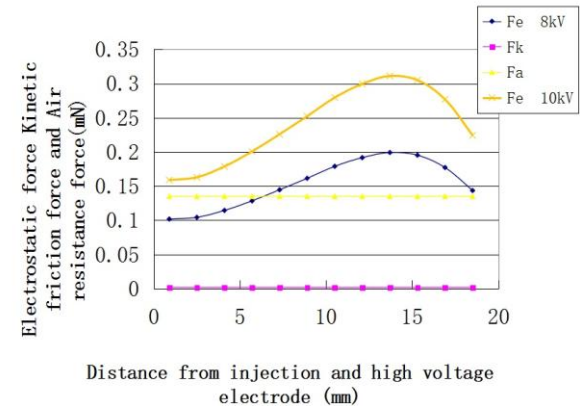
## 4. SIMULATION RESULTS

At early experiment, the charge carrier disk and the fixed steel shaft were contacted by Teflon and Teflon because the kinetic friction coefficient of Teflon 0.1 is the lowest value between materials. The weight of the charge carrier disk and six charge carrier electrodes is 0.0065 kg and Gravitational acceleration is  $9.81 \text{ m/s}^2$ , as a result the kinetic friction force between the charge carrier disk and the fixed steel shaft becomes 6.38 mN !! This value is about 40 times larger than the electrostatic force.

As a result the charge carrier disk can not rotate by the electrostatic force. This conclusion was confirmed by an actual experiment later. Therefore, The kinetic friction force must be largely reduced.

Fortunately, a new ball bearings that has lowest kinetic friction coefficient was found. That value is only 0.0015. This surprising new ball bearings was invented by Mr. Kawashima [11]. And it was named as ADB (Autonomous Decentralized Bearing) bearings.

Figure 11 shows the electrostatic force, the air resistance force and this kinetic friction force



## 7. CONCLUSION

The experimental equipment of the electric field driving generator that is driven by Asymmetric electrostatic force succeeded to generate an electric energy continuously when this equipment use ADB bearings. Namely an electric energy was gained from an electric field. This may be the first success in the world.