

EPSON





# EPSON











of













































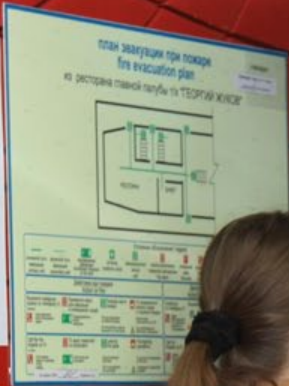
92

transormation  
of museum  
memorial zona



ПАСНЫЙ  
ЫХОД













































Sorry,  
closed for a Russian  
Club meeting

RUSSIAN  
CLUB













П.И. ЧАЙКОВСКОМУ

















# ФИШЕР

НЕ РЕСТОРАН



БИЗНЕС

5  
МИНУТ

СПЛАТНО

































И

ЖУКОВ





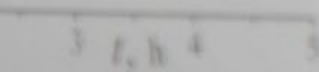








characteristic measured at pulse



anion current  $I$  versus time  $t$  of

**SUMMARY**

showed that developed multi...































THE  
BOOK





























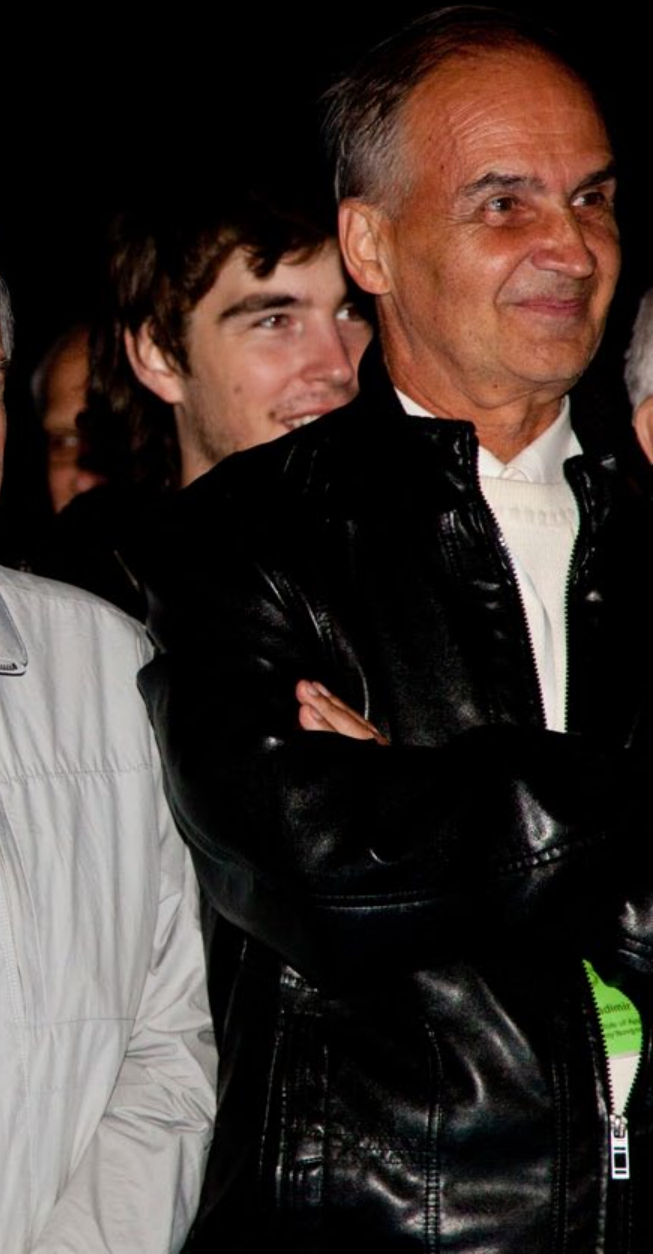


















БАР «ЧАЙКА»

#1 UP



#2 down





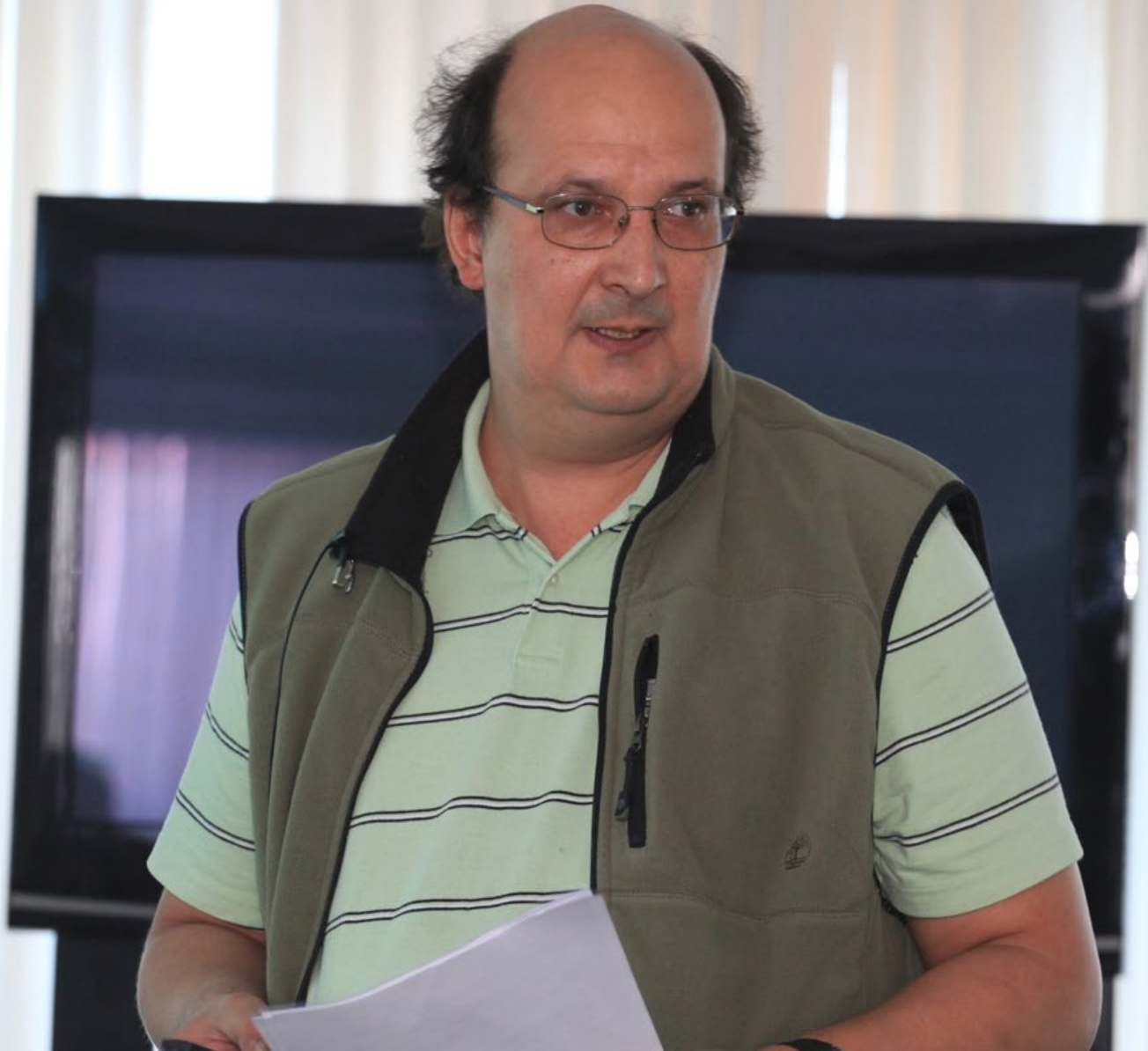


















## A Magnetron Injection Gun with a Reduced Filament Temperature and Enlarged Cathode Lifetime

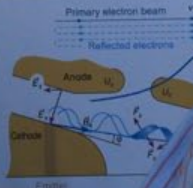
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An electron-optic system for a gyron that makes electrons reflected from a magnetic mirror have a longer lifetime. The electron beam are retained at a level that is a factor of 10 higher than reported. The results of a trajectory analysis of electrons are reported. The corresponding decrease in power and significant increase in the filament lifetime, which increases device lifetime.

### Schematic diagram of MIG with reflected electrons



### Results at last iteration



General view of the optoelectronic system: (1) cathode, (2) anode, (3) grounded lamp housing, (4) electron trajectory, (5) magnetic-field distribution, and (6) path of the leading magnetic field line; the main and additional (near the cathode) solenoids are also shown. Sizes are given in centimeters.

### The cathode filament power





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Surface Area of the Catalyst:  $10^4 \text{ m}^2/\text{g}$

Reaction:  $\text{CO} + \text{H}_2 \rightarrow \text{CH}_3\text{OH}$

Reaction rate:  $r = k_p P_{\text{CO}} P_{\text{H}_2} / (1 + K_{\text{CO}} P_{\text{CO}} + K_{\text{H}_2} P_{\text{H}_2} + K_{\text{CH}_3\text{OH}} P_{\text{CH}_3\text{OH}})$

Reaction order:  $n_{\text{CO}} = 1, n_{\text{H}_2} = 1, n_{\text{CH}_3\text{OH}} = -1$

$$\ln r = \ln k_p + \ln P_{\text{CO}} + \ln P_{\text{H}_2} - \ln (1 + K_{\text{CO}} P_{\text{CO}} + K_{\text{H}_2} P_{\text{H}_2} + K_{\text{CH}_3\text{OH}} P_{\text{CH}_3\text{OH}})$$

$$\ln r = \ln k_p + \ln P_{\text{CO}} + \ln P_{\text{H}_2} - \ln (1 + K_{\text{CO}} P_{\text{CO}} + K_{\text{H}_2} P_{\text{H}_2} + K_{\text{CH}_3\text{OH}} P_{\text{CH}_3\text{OH}})$$

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