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CENTRE OF BIOPSYCHOPHYSICAL PHENOMENA IN MAN

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Investigation of the activity of water, treated by the equipment of PWS AG, Switzerland

The treatment of the water has been made at March 22nd., 2010 and the experiments have been carried out at March 24th. 2010. Thee types of water have ben used:

1. Water, treated by the equipment.
2. A water at the entrance of the equpment.
   - tap water (a control for water 1)
3. Distilled water – seconed control.

Simultaniosly the distribution functions on the energy E intramolecular bonds between a part of water molecules have been measured, called: **water energy spectra**: **f1(E), f2(E) and fk(E).**

The differential energy spectra are calculated:

$$\Delta f1 = f1 - fk$$
$$\Delta f2 = f2 - fk$$
$$\delta f1 = f1 - feq$$
$$\delta f2 = f2 - feq$$
$$\delta fk = fk - feq$$

Where **feq** is the standart energy spectrum of a deionized water.

From the spectra above the following parameters are calculated:

1. $\bar{E}1, \bar{E}2, \bar{E}k$ - the midle bond energies of a pair water molecules.
2. The changes of the energies:

$$\Delta\bar{E}1 = \bar{E}1 - \bar{E}k$$

$$\Delta\bar{E}2 = \bar{E}2 - \bar{E}k$$

$$\Delta\bar{E}12 = \bar{E}1 - \bar{E}2$$

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4. The coefficient of linear correlation:

R ($\triangle$f1,δfk) – a measure for possibility of the treatment process to copensate the fluctuation of the control water spectrum under the influence of enviromental factors.

On Fig 1 the differintial spectra **$\triangle$f1(E)** and **δfk(E)** are shown. The parameters calculated are:

$\bar{E}$1 = -0,1096 +/- 0.0011 eV

$\bar{E}$2 = - 0,1084+/- 0,0011 eV

$\bar{E}$k = - 0,1118+/- 0,0011 eV

(A) $\triangle\bar{f}$12 = (-1,2+/-1,1) .10^{-3} eV

f1' = 55,3+/- 4 eV^{-1}

f 2' = 15,4+/- 4 eV^{-1}

(B) $\triangle$f12' = f1' – f2' = 39,9+/- 8 eV^{-1}

(B) f1'/f2' = 3,6

(C) R($\triangle$f1,δfk) = 0,57, P<0,01

Conclusion:

The water treated by the equipment under investigation has the following quantitative characteristics:

A. The water treatment increases slightly the middle energy of the intramoecular bonds in water. The effect is in order of the experimental error (see (A) above).

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B. The peak of activity in the spectrum after activation is 3,6 time greater than the same peak for the initial tap water. The difference between both peaks is 5 time greater than the experimental error (see(B) above).

C. The treatment process compensates very good the fluctuation of the control water spectrum under the influence of environmental factors.

The investigations are performed by Prof. DrSci Anton Antonov from South West University in Blagoevgrad and Chem. Eng. Tatyana Galabova from Medical University of Sofia.

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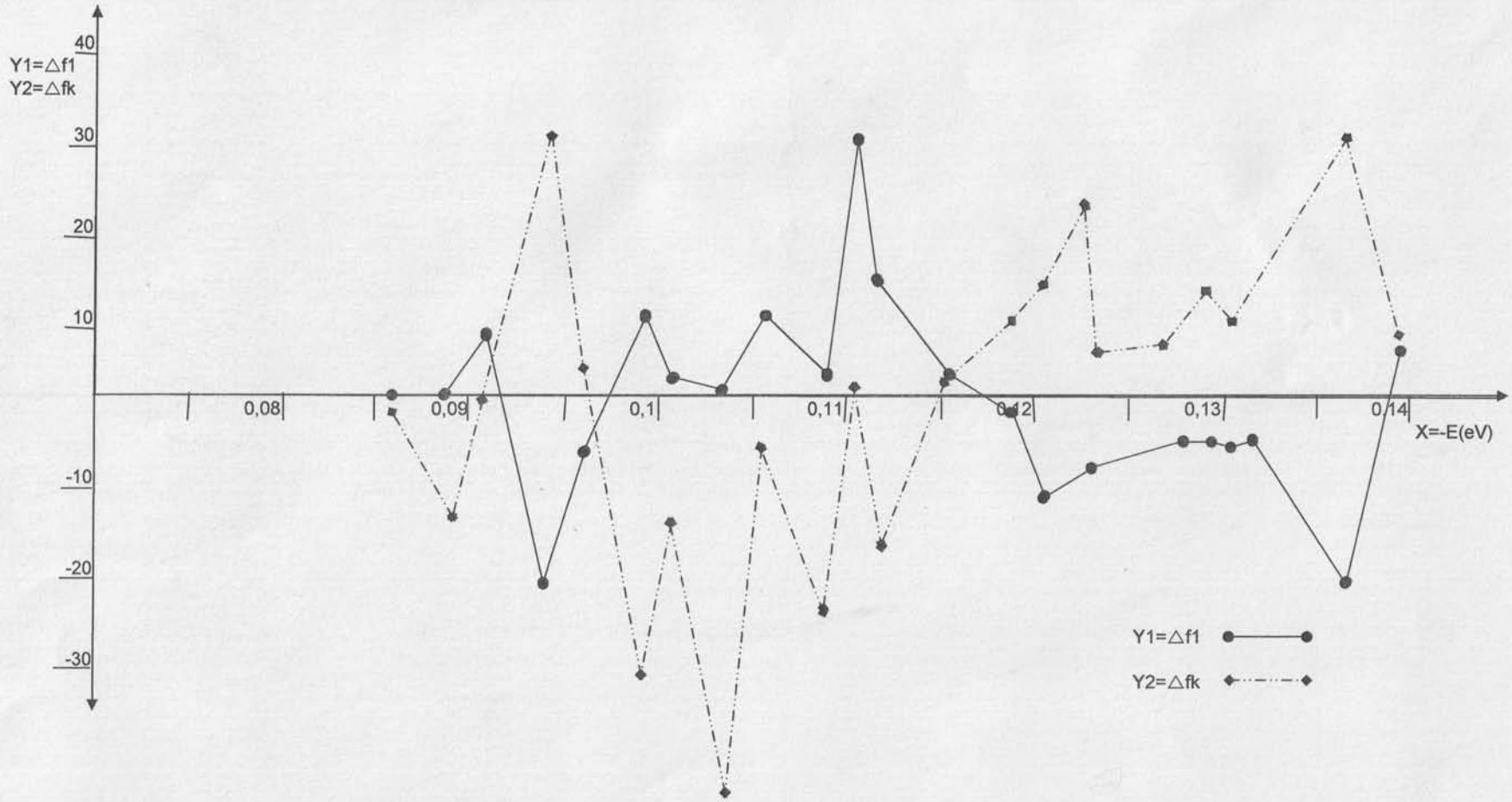
Y1=△f1
Y2=△fk
40
30
20
10
-10
-20
-30
0,08
0,09
0,1
0,11
0,12
0,13
0,14
X=-E(eV)
Y1=△f1
Y2=△fk