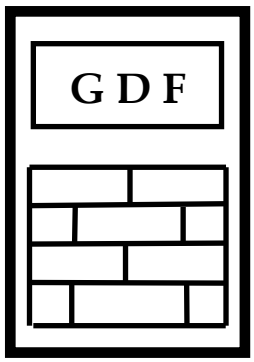
GDF DATA BANKS BULLETIN



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GDF DATABANKS BULLETIN, VOL. 18, NO. 3, 2014
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Content

	no.pages
Eurovision song contest. II. Copenhagen, Denmark 2014 and some more features on social mentality.	3
About the author	1
Previous issues of GDF DATABANKS BULLETIN Errata	4

8+3 pages

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Eurovision song contest. II. Copenhagen, Denmark 2014 and some more features on social mentality.

Eurovision song contest on two decades (1994-2013) was previously studied taking into account the relationship between voting points (y) and resulted rating (x) of participating countries/songs in the final stage [1].It was possible to point out some important aspects of social mentality because almost all tv viewers from Europe were involved in this event. Additionally, music is an important communication mean for all people, even the ones without special skills and education. The basic conclusion was that all considered contests were performed according to the same objective mechanism, namely can be described by an exponential rule (Figure 1):

$$y = a*\exp(b*x) \quad (1)$$

where parameters (a, b) resulted by non-linear regression (Levenberg-Marquardt algorithm [2]) with specific values for each particular contest. This exponential fit describes the decay ($b < 0$) of the voting points with rating increase ($x = 1$ for the winning country/song). In view to compare the results of all contests (because there was not the same number of participating countries) the voting points were expressed in percentages:

y (%) = 100*points for one country/overall points for all voting countries (2).

In this way the ontogenic parameters (a, b) defining a particular contest result to obey the first phylogenic relationship:

$$a = n1*b + m1 \quad (3)$$

where (n1, m1) defines the overall considered 20 contests and substantiate that all of them were occurred according to the same mechanism or in the terms of topoenergetic principles [3] all contests have the same nature, but with different amplitude. It has to note again the pyramid structure of overall topoenergetic parameters [3].
The 2014 results are in good agreement with the two decades ones:

Table 1. Ontogenic parameters (a, b) (Eurovision 2014) calculated by non-linear regression of (y, x) values compared with ones calculated with the 1st phylogenic parameters (n1, m1) (Figure 7, [1]). (y = % points, x = rating).

y = a*exp(b*x) Eurovision 2014		a = n1*b + m1 Eurovision 1994-2013		Eurovision 2014	
a , %	14.32 ± 0.59	n1	-(99.1 ± 3)	acalc, %	14.55
b , dless	-(0.13 ± 0.007)	m1	1.67 ± 0.46	bcalc, dless	-0.13

Concluding remarks

1. It is important to point out again that all contests have revealed a top quoted song rated with a maximum points from which the other songs' ratings decrease exponentially. This is an objective fact which keeps away the suspicions about eventual arrangements in view to trick the voting process.
2. However, local variations in perception of the contesting songs may exist. Figure 2 shows the variation between real points (y) and calculated ones (ycalc) according to equation (1) as a function of rating at the 2014 contest, but these are under ±2 %points as having non significant effect on the final and overall result. As a particular feature, Ukraine and Russia showed negative variations as the reaction at the political conflict between them, although both their songs were rated in the top 10.
3. Figure 3 show the variation of points of winning songs during the 21 years. It is important to note that this variation has an oscillatory aspect revealing the fact that with a period of 3-4 years a most successful song appears.
4. Figure 4 shows the variance (var) of resulted voting points over the period of 21 years of contest as a measure of "social disagreement" or social fluctuation in mentality reflected in reaction to music. It results a deep "social silence" in the period of 1999-2008, while the years 1995, 2009 and 2012 show prominent fluctuations in social mentality. These results must be correlated with the major social events, namely: 1995 marks a turning point in the creation of European Union by the Maastricht Treaty and Schengen Agreement; 2009 and 2012 onset and top effect, respectively, of economic and financial crisis which imposed a massive fluctuation of people as labor force in Europe.
5. As I mentioned in the previous study, these social features/pattern must be correlated with the "tune pattern" of the winning songs. Music is a confident reflection of social mentality and this fact substantiates therapy by music in connection with the following other facts: (i) all diseases have a social origin and (ii) individual mentality contributes and reflects more or less social mentality, but (iii) a specific tune pattern (mantra) can protect and strengthen the individual integrity and harmony [4].

References

[1] G. Dragan, *Eurovision song contest. I. Basic social aspects*, GDF Databanks Bull., 17(8), (2013).
[2] J. Nocedal, J.S. Wright, *Numerical Optimization*, 2nd Edition, Springer (2006); see also math and statistical softwares.
[3] G. Dragan, *Solubility behavior introducing topoenergetic working principles*, GDF Databanks Bull., 1(1), (1997); *Structural and relativistic aspects in transforming systems. I. Arrhenius and Universal representations of thermally driven processes*, GDF Databanks Bull., 15(2), (2011); the citations therein.
[4] Swami Vishnu Devananda, *Meditation and mantras*, OM Lotus Publishing Company,1978.

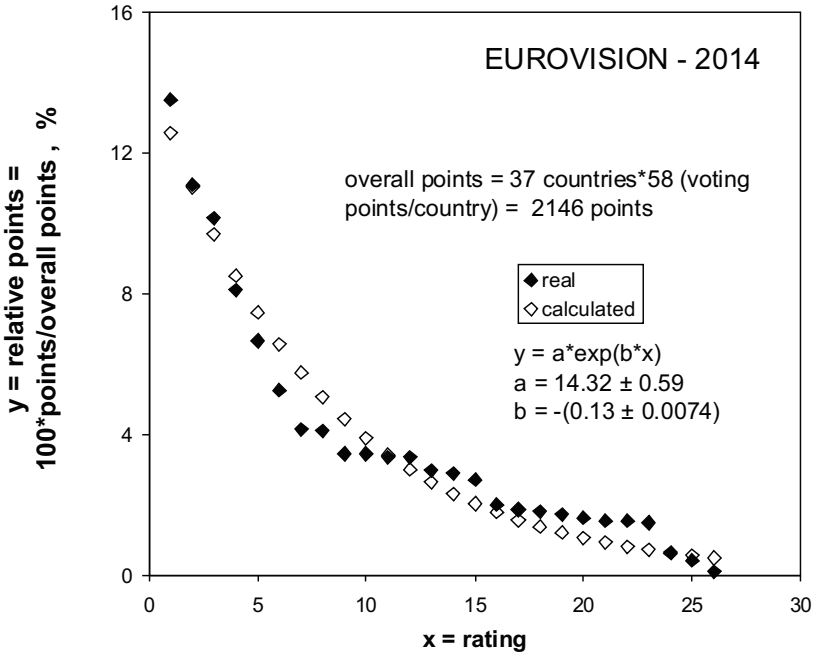

Figure 1.

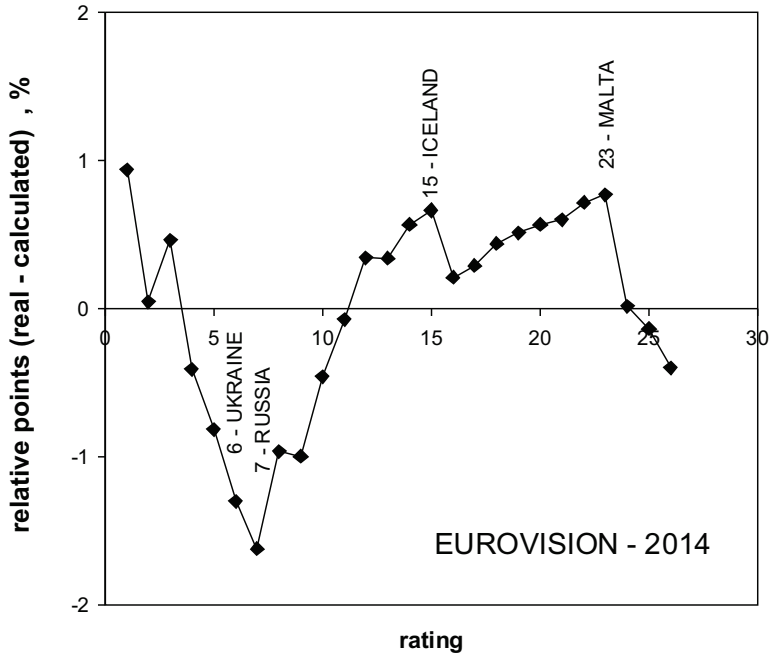

Figure 2.

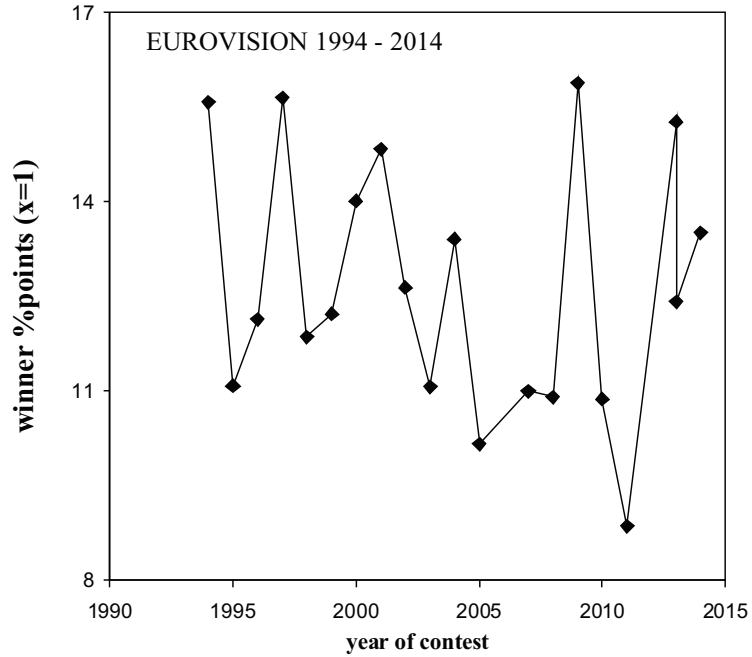

Figure 3.

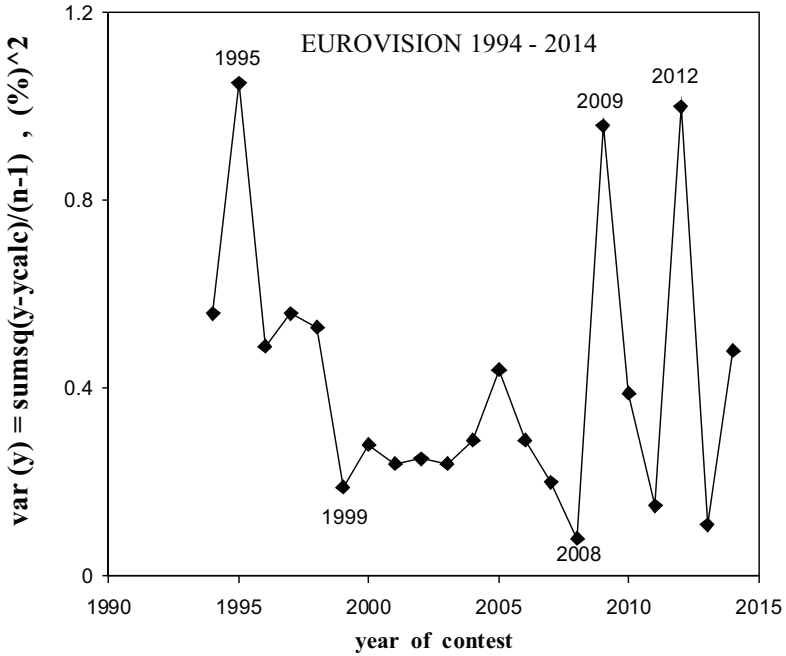

Figure 4.

GDF DATABANKS BULLETIN, VOL. 18 , NO. 3, 2014
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GDF DATABANKS BULLETIN, VOL.18, NO.3, 2014
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Previous issues of GDF DATABANKS BULLETIN

Year	VOL	NO	Content (titles)	$*)
1997	1	1	Editorial: Databanks – the compulsory language. LOGKOW – a Databank of evaluated octanol-water partition coefficients (James Sangster). Solubility behavior introducing topoenergetic working principles. Comments on 1-octanol-water partition of several n-alkane related series.	F
1997	1	2	Guide of good practice in metrology (Romanian)	AFI
1998	2	1	Editorial: socio-psychological implications in creation and utilization of a databank (Ioan-Bradu Iamandescu); Behavior in vapor-liquid equilibria (VLE): I. Structural aspects; Behavior in vapor-liquid equilibria: II. Several structures in databanks; Symposium on VDC-4 held on 30 October 1997 at Lubrifin-SA, Brasov (Romania).	F
1998	2	2	Practical course of metrology (Romanian)	AFI
1998	2	3	DIFFUTOR-01: Thermally driven diffusion in pure metals	AFI
1998	2	4	VAPORSAT-01: Databanks of thermally driven VLE. The first 100 simple molecules	AFI
1999	3	1	Editorial: New trends in material science: nanostructures (Dan Donescu) DIFFUTOR: Databanks of diffusion kinetics. VAPORSAT: Databanks of vapor-liquid separation kinetics.	F
1999	3	2	Discussions on Applied Metrology	AFI
2000	4	1	Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses – important data banks. GDF intends to open new series of experiments on thermo-physical properties. Some comments on uncertainty: global budget and DFT analysis. Events: The 9th International Metrology Congress, Bordeaux, France, 18-21 October 1999.	F
2000	4	2	Measurement and Calibration.	AFI
2001	5	1	Editorial: Metrology ensures moral and technological progress. Topoenergetic aspects of amorphous-crystalline coupling. I. Composite behavior of water and aqueous solutions (paper presented at nanotubes and Nanostructures 2001, LNF, Frascati, Rome Italy, 17-27 October 2001). Events: Nanotubes and nanostructures 2000.School and workshop, 24 September – 4 October 2000, Cagliari, Italy.	F
2001	5	2	Editorial: Viscosity – a symptomatic problem of actual metrology. Visco-Dens Calorimeter: general features on density and viscosity measurements. New vision on the calibration of thermometers: ISOCALT® MOSATOR: Topoenergetic databanks on molten salts properties driven by temperature and composition.	F

2002	6	1	MOSATOR-01: Topoenergetic databanks for one component molten salts; thermally driven viscosity and electrical conductance.	AFI
2002	6	2	Editorial: HuPoTest - Operator calibration or temporal scale psychic test. MOSATOR: topoenergetic databanks of one component molten salts; thermally driven viscosity and electrical conductance.	F
2002	6	3	Editorial: Quo vadis Earth experiment? ISOCALT® : Report on metrological tests	F
2003	7	1	Editorial: Time – an instrument of the selfish thinking. 1st NOTE: Homoeopathy: upon some efficient physical tests revealing structural modifications of water and aqueous solutions. I. Mixing experiments.	F
2004	8	1	Metrological verification and calibration of thermometers using thermostats type ISOCALT® 21/70/2. Metrological verification and calibration of thermometers using thermostats type ISOCALT® 2.2R.	F
2004	8	2	Aspects of correct measurements of temperature. I. measurement of a fixed point according to ITS-90. Physics and Homoeopathy: some physical requirements for homoeopathic practice.(Plenary lecture at the 19th SRH National Congress, 21-22 September 2004, Bucharest, Romania)	F
2005	9	1	AWARD for ISOCALT® at the International Fair TIB-2004, October 2004, Bucharest. ISOCALT® 3/70/21 was awarded in a selection of 20 products by a commission of experts from the Polytechnic University of Bucharest. Upon some aspects of temperature measurements. (12th International Metrology Congress, 20-23 June 2005, Lyon, France)	F
2005	9	2	A new technique for temperature measurement and calibration. National Society of Measurements (NSM). Important warning for T-calibrator users: MSA has chose metrology well calibrators from Fluke (Hart Scientific).	F
2005	9	3	Universal representation of Cancer Diseases. 1. First sight on NSW-2003 report. Universal representation of Cancer Diseases. 2. UK cancer registrations on 1999-2002. Vital Potential can estimate our predisposition for cancer diseases.	F
2006	10	1	NTC – thermistors -1	AFI
2007	11	1	HuPoTest - 40 years of continuous research Basic rules for preventing and vanishing cancer diseases Climate change = change of mentality Hot nuclear fusion – a project of actual mentality	F
2007	11	2	MT – Introduction to Mental Technology HuPoTest – general procedure, assignments of results, specimen of complete test, order and obtain your complete HuPoTest report	F
2007	11	3	TRESISTOR© - data banks of materials with thermally driven electric and magnetic properties TRESISTOR© - NTC -1 - data bank of NTC thermistors	AFI

2008	12	1	Australian population: life, death and cancer	F
2008	12	2	Pattern of Cancer Diseases	F
2008	12	3	Adiabatic calorimetry – summary description of the demo prototype	F
2008	12	4	Flight QF 30 and even more… Temperature calibration of NTC-thermistors. 1.Preliminary results.	F
2009	13	1	Proposal for interlaboratory comparisons. Calibration of NTC-thermistors (The 14th International Metrology Congress, Paris, France, 22-25 June 2009).	F
2009	13	2	Sudoku – un algoritm de rezolvare. (Sudoku – an algorithm for solution).	AFI
2009	13	3	Cancer and Diabetes – as social diseases. (Open letter to all whom it may concern).	F
2010	14	1	Studies on cement hydration by High Resolution Mixing Calorimetry (HRMC).	F
2010	14	2	Measuring tools for subtle potentials; pas-LED: an efficient measuring tool for subtle potentials.	F
2010	14	3	Upon some features of cancer in Australia: 1982 – 2006.	F
2010	14	4	Cancer as an erosion process in human society.	F
2010	14	5	Cancer erosion in Australian human society: 1982 – 2006.	F
2010	14	6	Cancer erosion in German human society:1980-2008.	F
2011	15	1	Procedures and devices for energy and water saving. (I) (in Romanian).	F
2011	15	2	Structural and relativistic aspects in transforming systems. I. Arrhenius and Universal representations of thermally driven processes.	F
2011	15	3	Topoenergetic aspects of water structuring as revealed by ac electric conductivity.	F
2011	15	4	Topoenergetic aspects of human body	F
2011	15	5	HuPoTest: four month study of a case	F
2012	16	1	DTA study of water freezing. I. Upon some aspects of repeatability.	F
2012	16	2	DTA study of water freezing. II. Statistical features on one week of experiments.	F
2012	16	3	DTA study of water freezing. III. New facts on daily mental field.	F
2012	16	4	Mental field and state of health. Câmpul mental şi starea de sănătate.	F
2013	17	1	DTA study of water freezing. IV. New facts on energy circuits.	F
2013	17	2	DTA study of water freezing. V. Effect of a mental antenna	F
2013	17	3	AC electric conductivity of untreated and mentally treated electrolyte aqueous solutions.	F
2013	17	4	DTA study of water freezing. VI. Mental field in a working day.	F
2013	17	5	DTA study of water freezing. VII. More statistical features on one week of experiments.	F
2013	17	6	HuPoTest: New measurements and results	F

2013	17	7	Time as unique base quantity. (Proceedings of the 16th International Congress of Metrology, 7-10 October 2013, Paris, France).	F
2013	17	8	Eurovision song contest. 1.Basic social aspects	F
2013	17	9	Mental field-water interaction as evidenced by Isothermal Convection Flow Calorimetry (ICFC). I. ICFC description and preliminary results.	F
2013	17	10	1. Procedure for defining standard liquids for viscosity based on topoenergetic principles. 2. Topological aspects of flow and deformation in polymer composites, The VIII-th International Congress on Rheology, 1-5 September 1980, Naples, Italy, pp. 375-376. 3. Universal representation of flow behavior based on topoenergetic principles, The IX-th International Congress on Rheology, 8-13 October 1984, Accapulco, Gro. Mexico, pp.369-376. 4. Comments on "Universal representation of flow behavior based on topoenergetic principles", The IX-th International Congress on Rheology, 8-13 October 1984, Accapulco, Gro. Mexico, pp. 369-376. 5. Open letter to BRML and INM.	F
2014	18	1	Adiabatic calorimeter as high accuracy T-calibrator	F
2014	18	2	Mental field-water interaction as evidenced by Isothermal Convection Flow Calorimetry (ICFC). II. Effect of convection flow power.	F

*) F=free, AFI=ask for invoice.

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VOL	NO	place	was written	must be
15	2	Figure 5	P+	P-
15	3	page 5, row 7 down-to-up	x=2	x=0.2

I encourage readers to advice me any observation.

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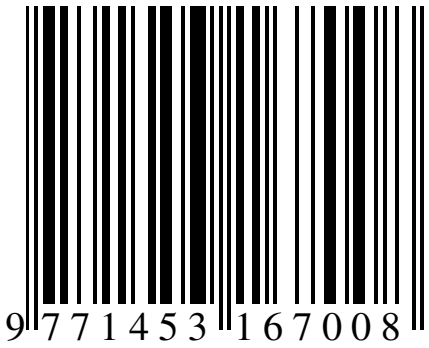

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