



**MAKATS O. D.**  
**BIOPHYSICAL ATLAS OF FUNCTIONAL SYSTEMS**  
**(INFORMATION 5)**

Junior research (Ukrainian Research Center activation therapy "NADIYA")

*Наведені матеріали не мають аналогів і є інтелектуальною власністю розробників напрямку "Функціонально-вегетативна діагностика без використання зовнішніх джерел струму" (Макац В. Г., Макац Е. Ф., Макац Дм. В., Макац Ден. В.). Розглядається невідома раніше біофізична реальність у вигляді системно-функціональної залежності.*

**Ключові слова:** Чжень-цзю терапія, акупунктурні канали (функціональні системи).

*These materials are unparalleled and is the intellectual property of developers towards "Functional-vegetative diagnosis without using external power sources" (Makats V.G., Makats E.F., Makats Dm.V., Makats Dtn. C.). The presented materials do not have analogues. Unknown before biophysical reality is examined as system-functional dependence.*

**Keywords:** Acupuncture therapy, acupuncture channels (functional system).

*Приведенные материалы не имеют аналогов и являются интеллектуальной собственностью разработчиков направления "Функционально-вегетативная диагностика без использования внешних источников тока" (Макац В. Г., Макац Е. Ф., Макац Дм. В., Макац Дэн. В.). Рассматривается неизвестная ранее биофизическая реальность в виде системно-функциональной зависимости.*

**Ключевые слова:** Чжень-цзю терапия, акупунктурные каналы, системно-функциональные комплексы, функциональная реабилитация.

## Introduction

Analysis of the following material allows making definite conclusion: any functional system (acupuncture channel) provides three functional responses to excitation of other channels (synchronous excitation, asynchronous oppression and paradoxical reactions).

System dependency (biophysical function-vegetative atlas) is driven by individual thematic blocks. Attention is drawn to the opposite reaction to the stimulation and inhibition of some representative areas. No comments.

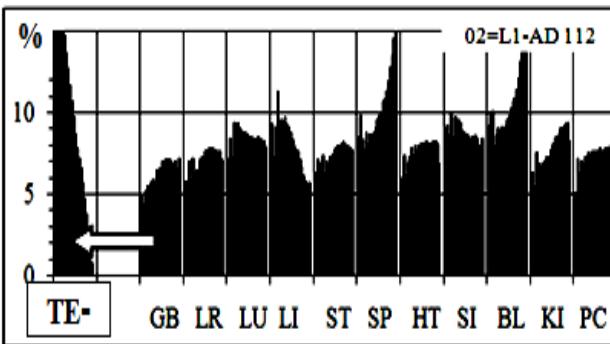
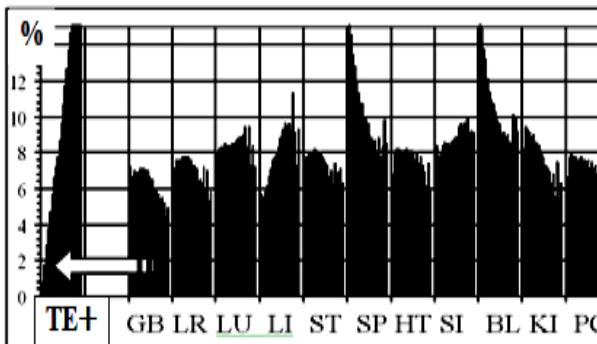
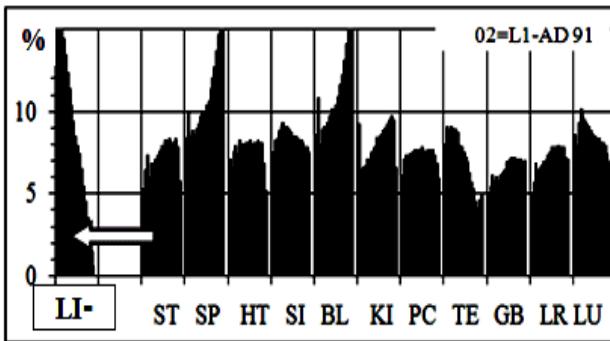
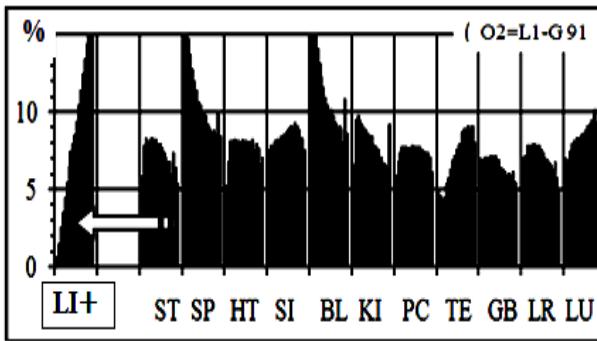
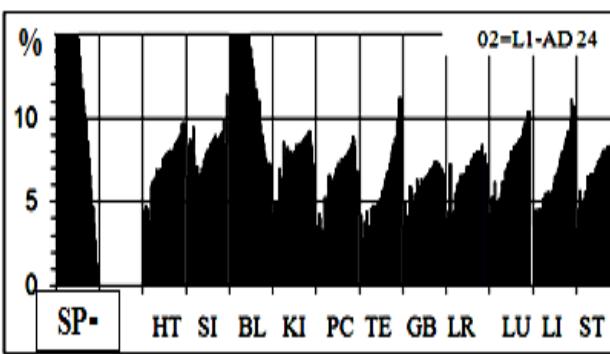
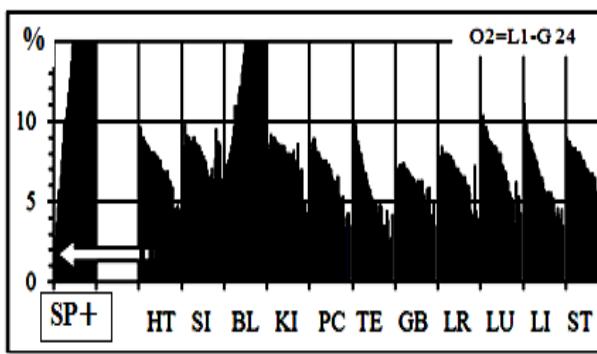
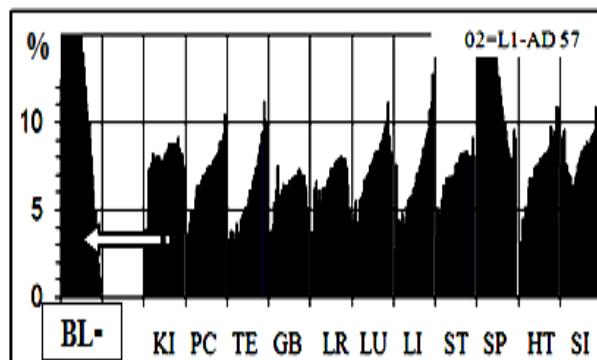
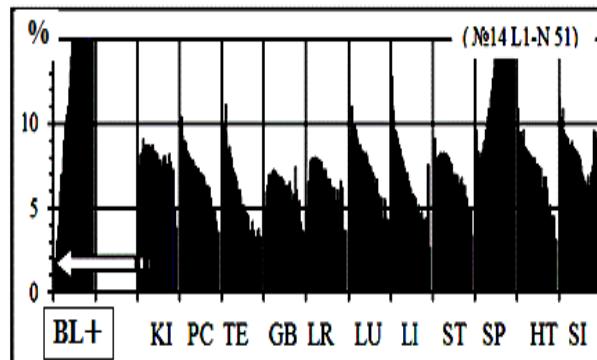
Before analyzing these histograms remind the international nomenclature acupuncture channels (MAN, Figure 1), which we always enjoy. In this case, we note that submissions are unparalleled [1-11] and is the intellectual property of authors discovery "Functional-vegetative system of Rights" (Makats V. G., Makats E. F., Makats Dm. V. and Makats Den. V.).

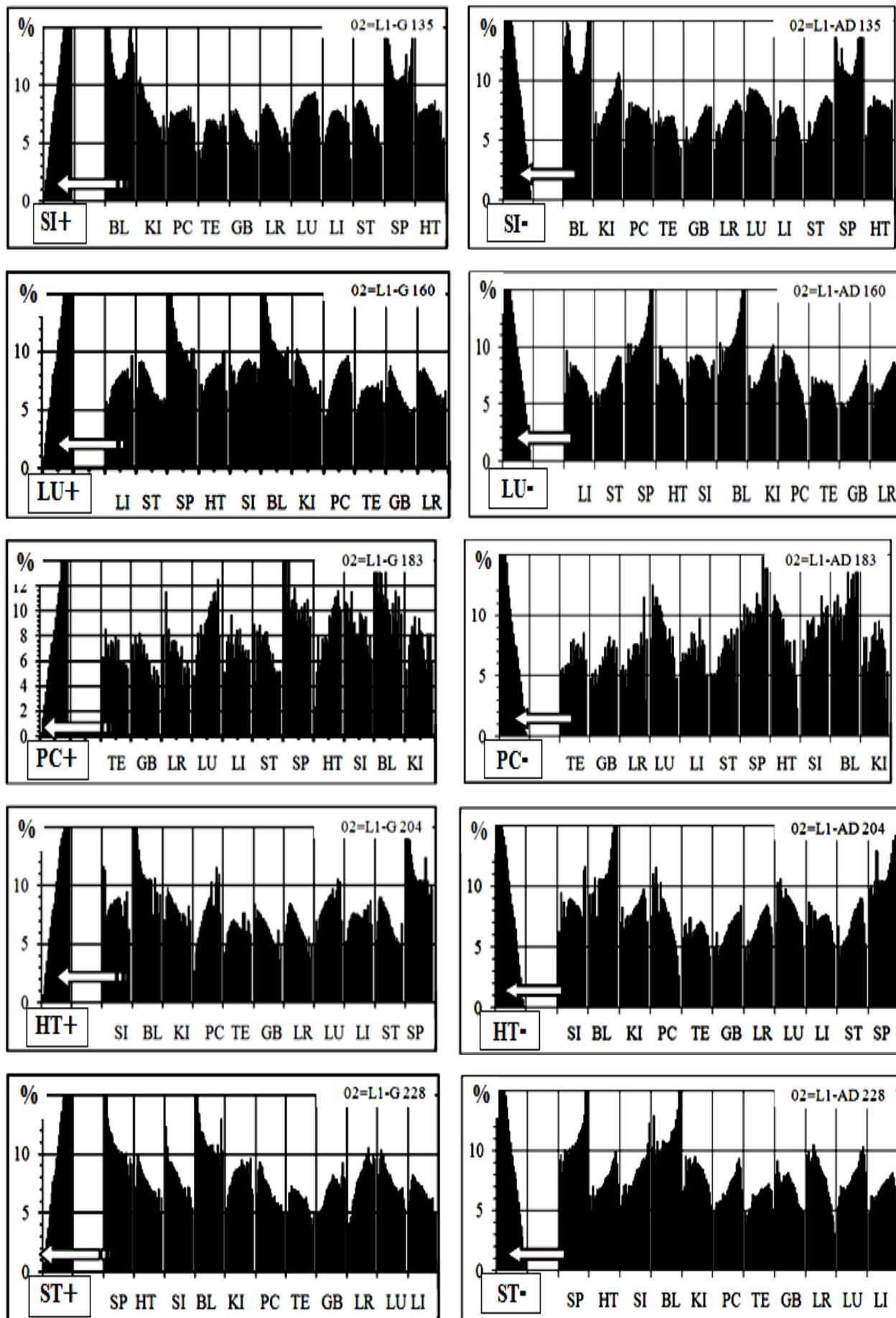
Traditional channel	IAN *	FN	Traditional channel	IAN *	FN
Lungs	LU	P	Urinary bladder	BL	V
Large intestine	LI	GI	Kidney	KI	R
Stomach	ST	E	Pericardium	PC	MC
Spleen – Pancreas	SP	RP	Triple energizer	TE	TR
Heart	HT	C	Gall bladder	GB	VB
Small intestine	SI	IG	Liver	LR	F

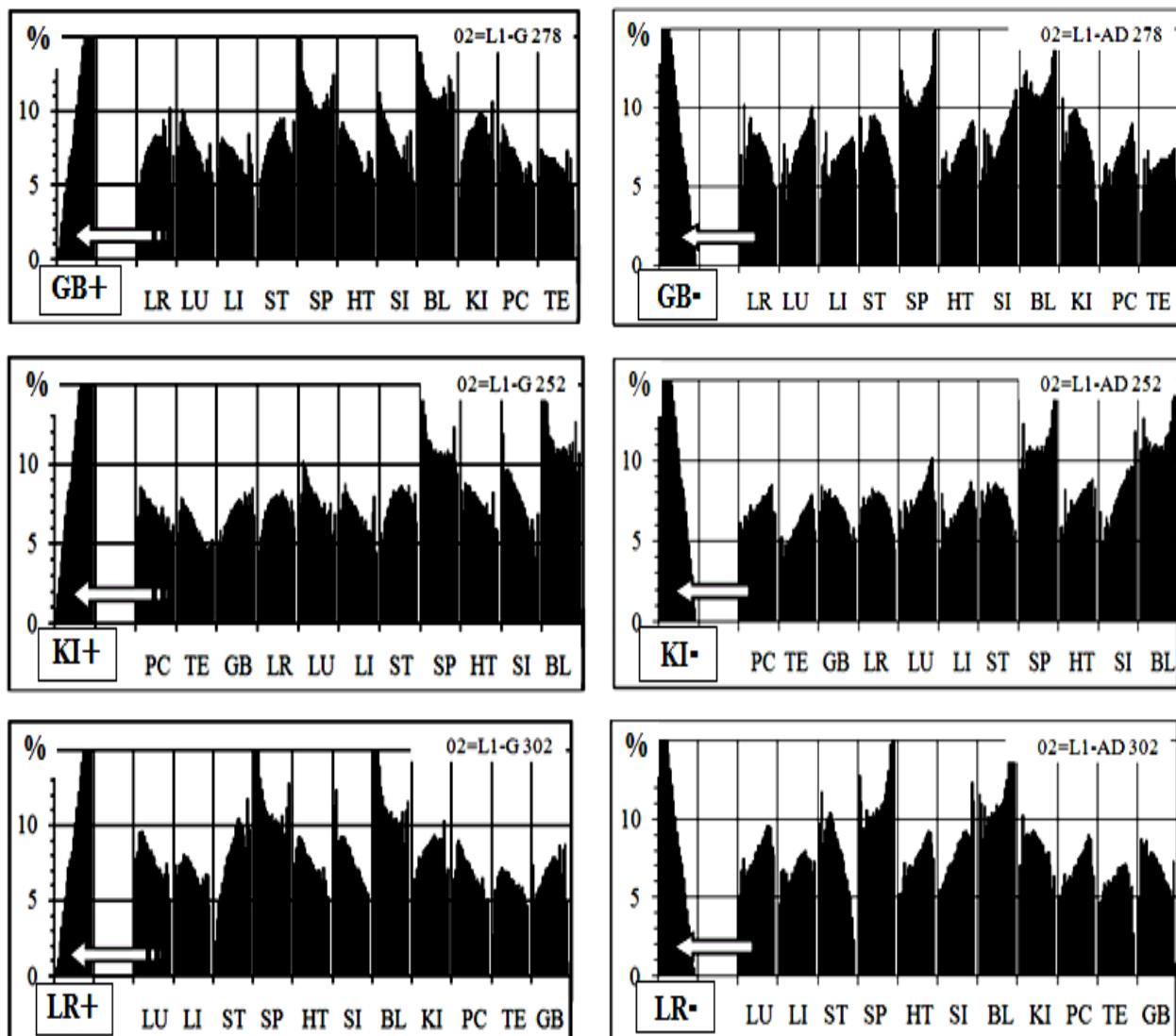
Fig 1 Abbreviation of acupunctural channels (IAN)

## 1. FIRST SIGNS OF DEPENDENCY OF ACUPUNCTURAL CHANNELS ON EXCITATION AND OPPRESSION OF SEPARATE SYSTEMS

The attention is paid to the synchronous opposition of the systemic responses during the excitation and oppression of one of the traditional acupunctural channels...

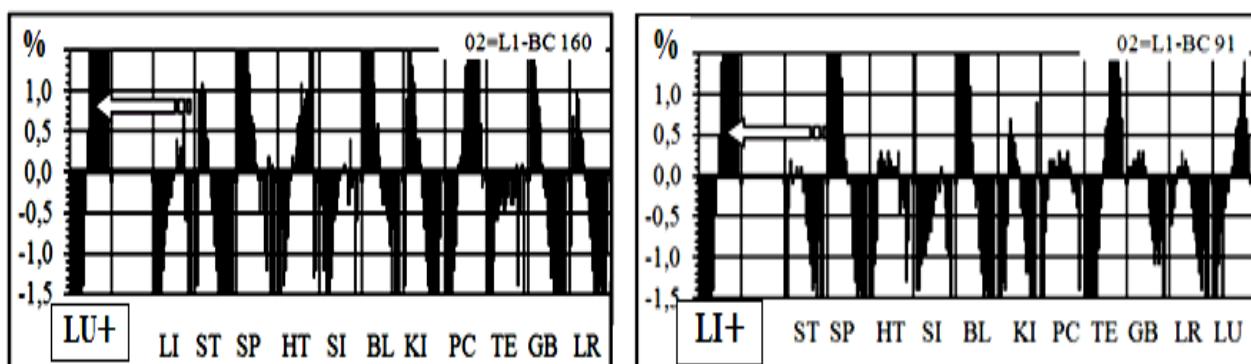


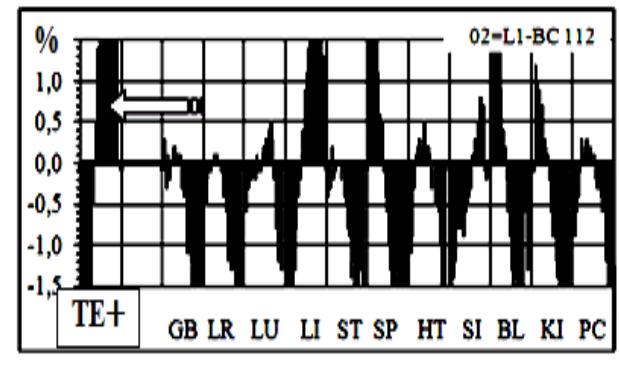
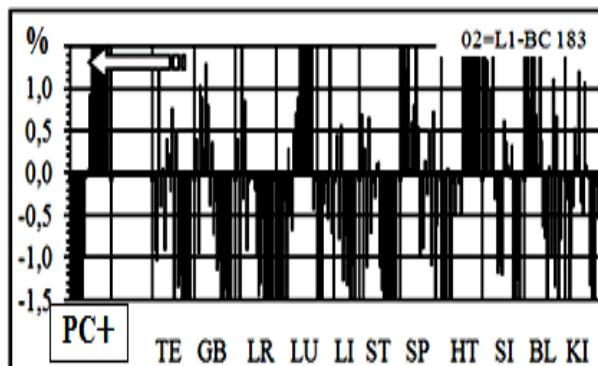
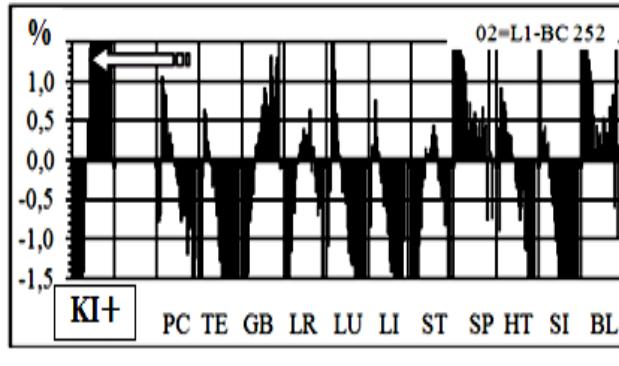
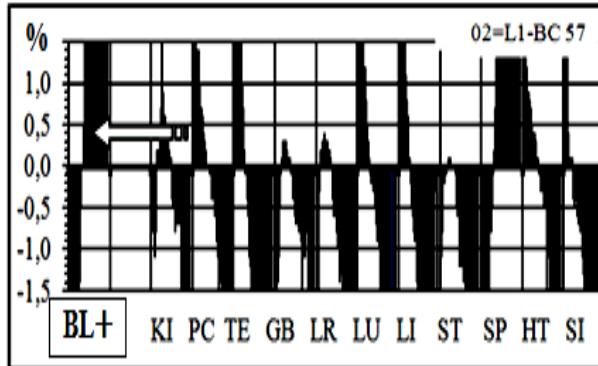
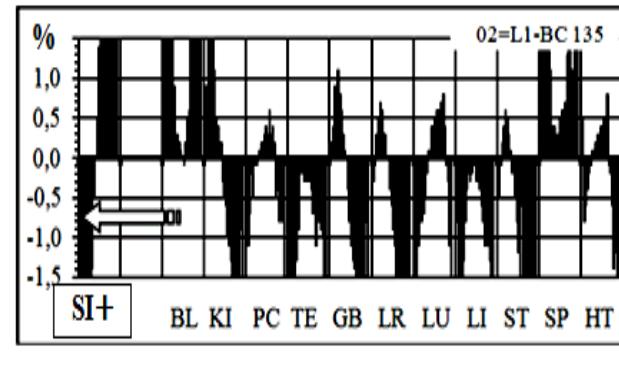
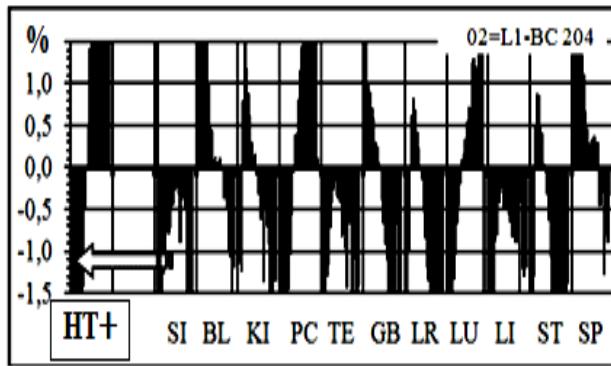
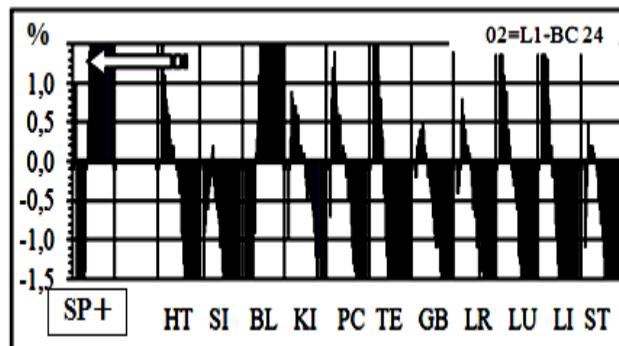
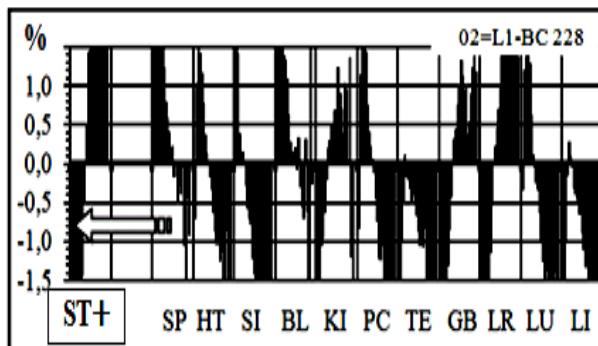


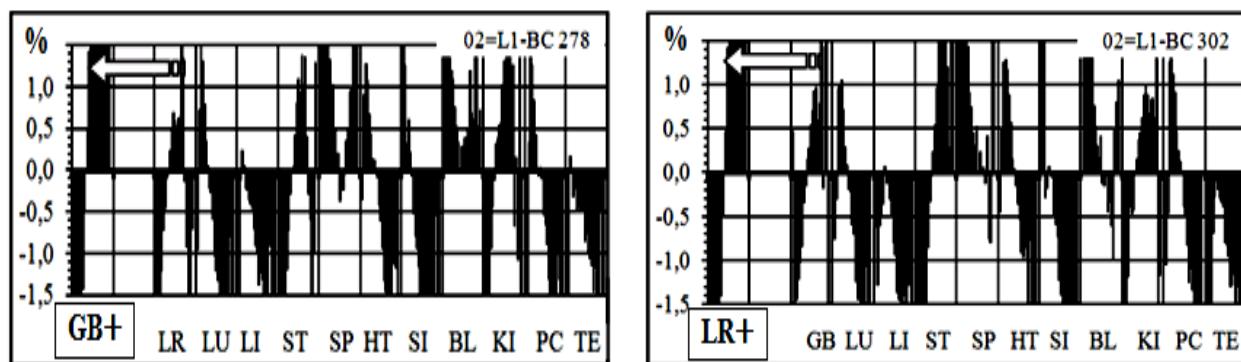


## 2. SYSTEMIC DEPENDENCY DURING EXCITATION OF ACUPUNCTURAL CHANNELS THROUGH THE BIG CYCLE

The attention is paid to the simultaneous differently oriented systemic synchronous-asynchronous and paradoxical reactions through the traditional “Big Cicle”, that occur in response to the excitation of one of the channels... Their bio-physical reality contradicts the theoretical position on “Big Cicle” and the range of practical recommendations...

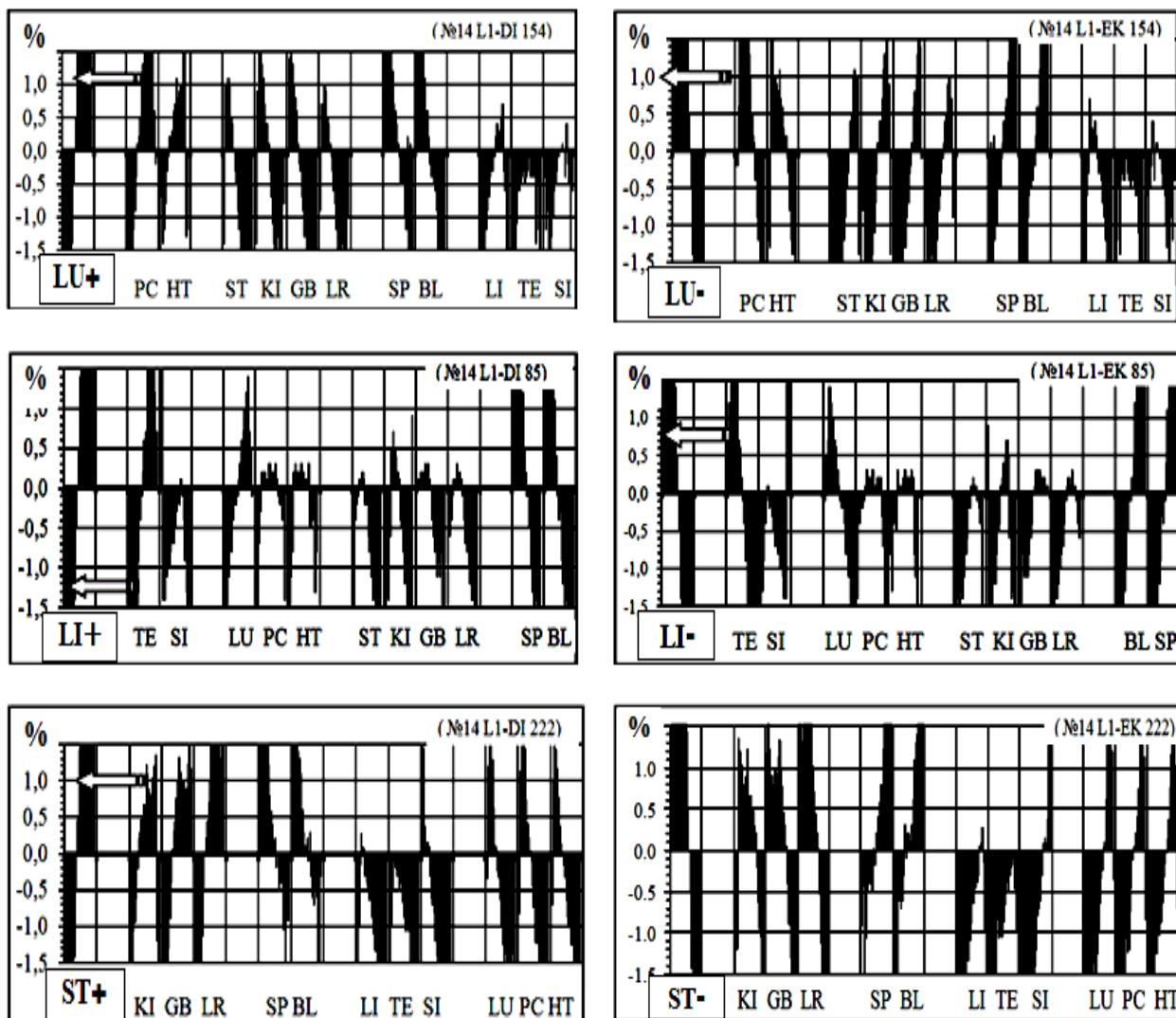


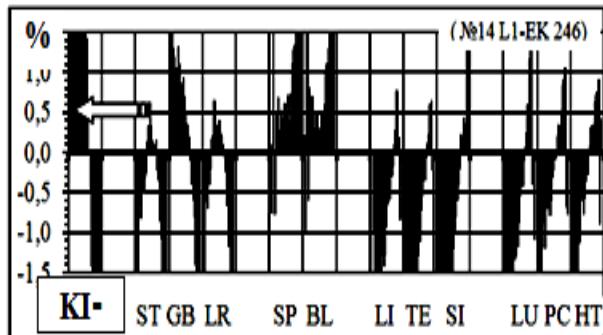
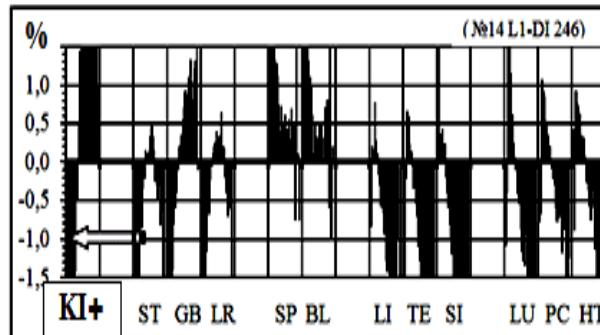
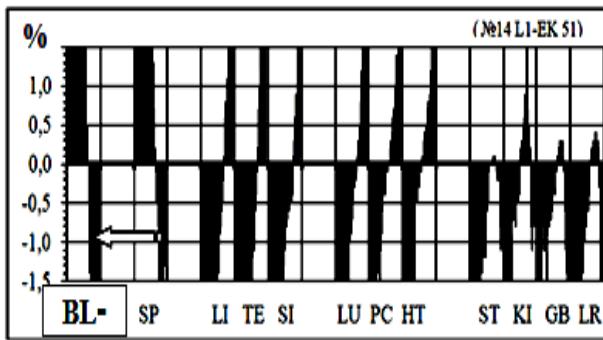
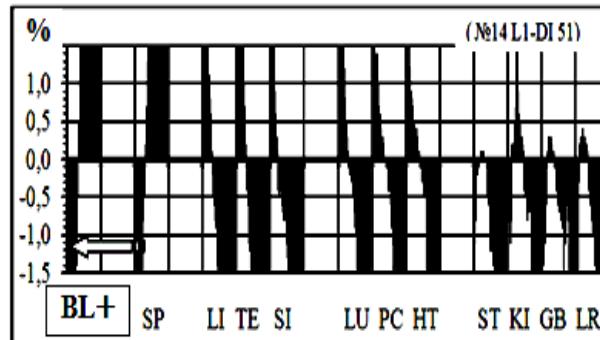
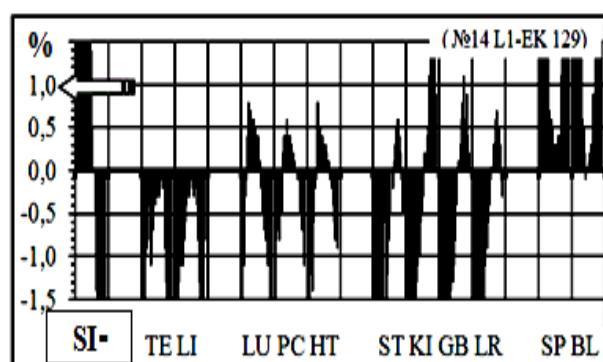
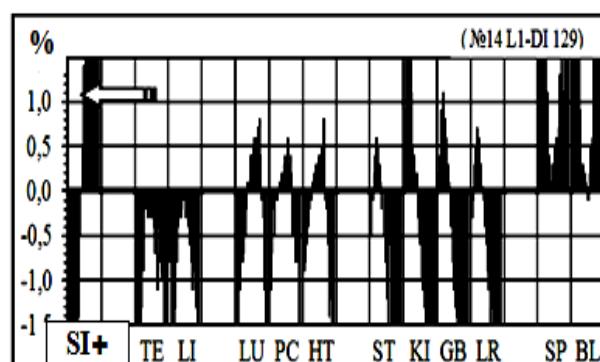
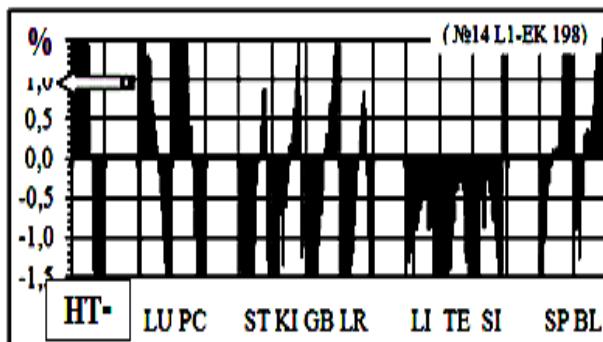
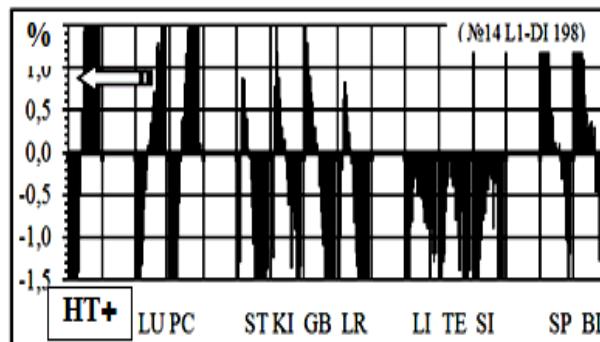
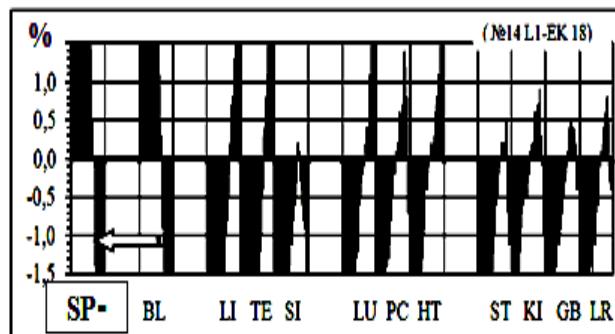
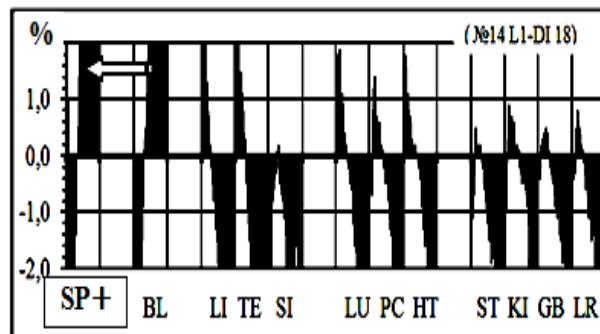


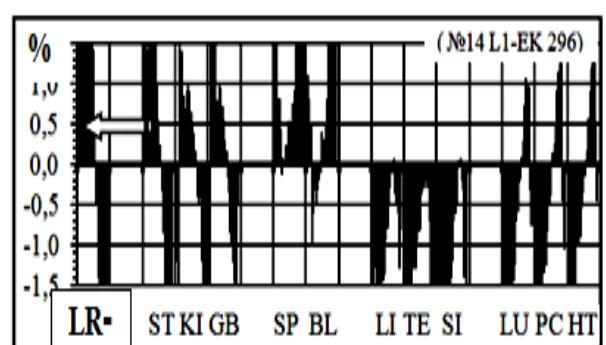
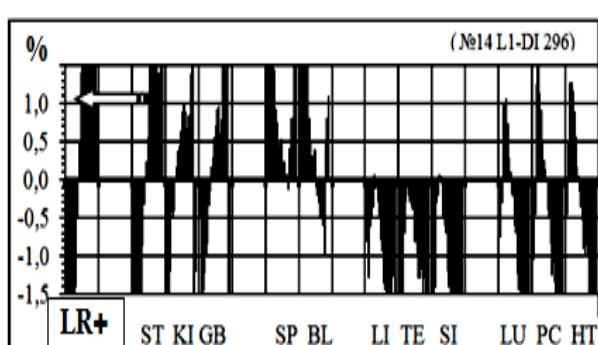
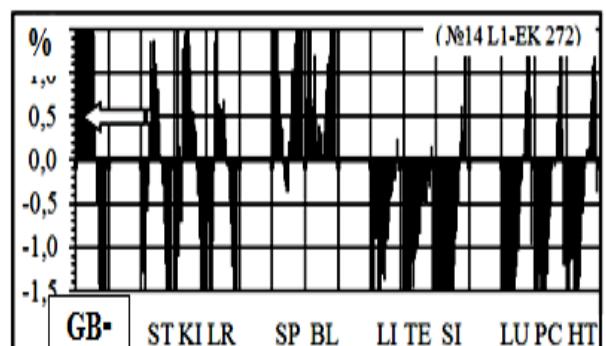
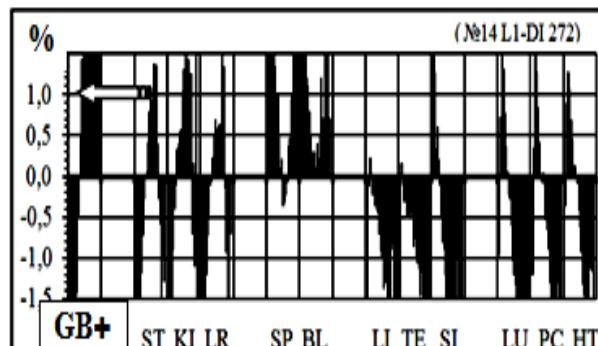
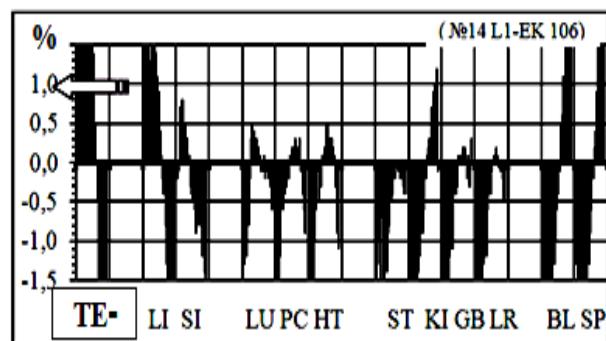
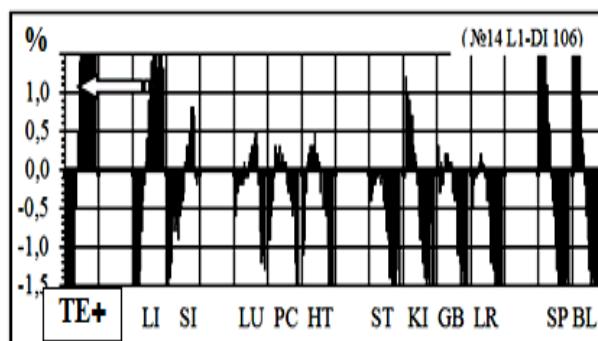
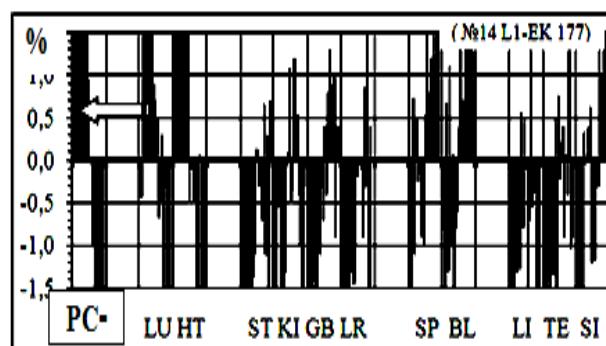
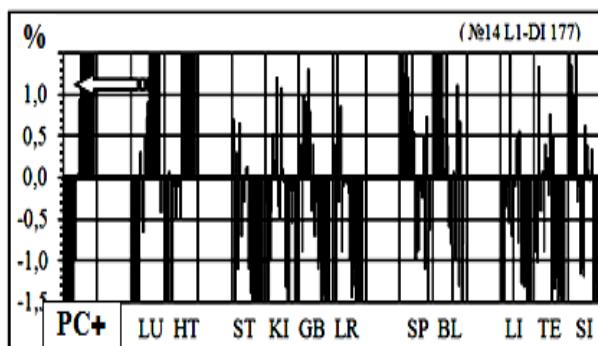


### 3. COMPLEX SYSTEMIC REACTIONS TO THE EXCITATION AND OPPRESSION OF ONE OF THE TRADITIONAL CHANNELS.

The attention is paid to the biophysical reality of the systemic complexes (SP-BL, LU-PC-HT, LI-TE-SI, ST-KI-GB-LR), that according to their untypical reaction differently respond to the excitation or oppression of one of the traditional channels...

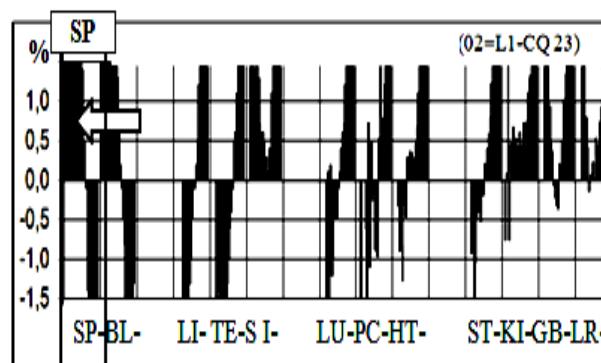
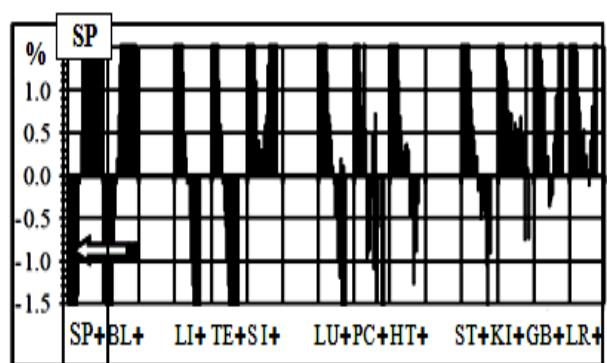
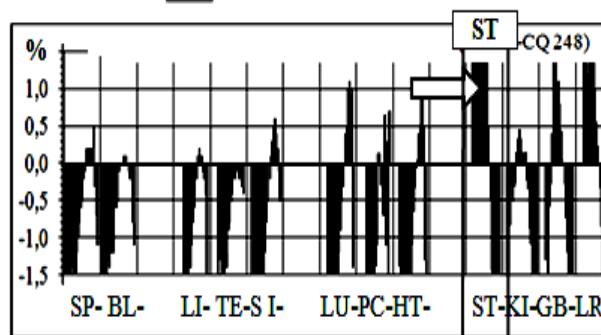
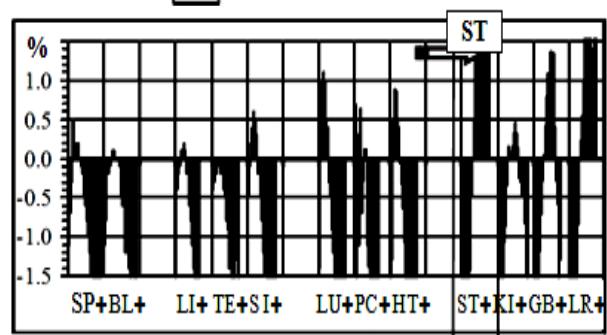
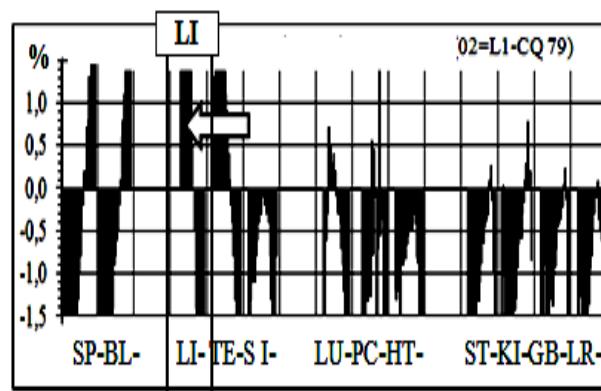
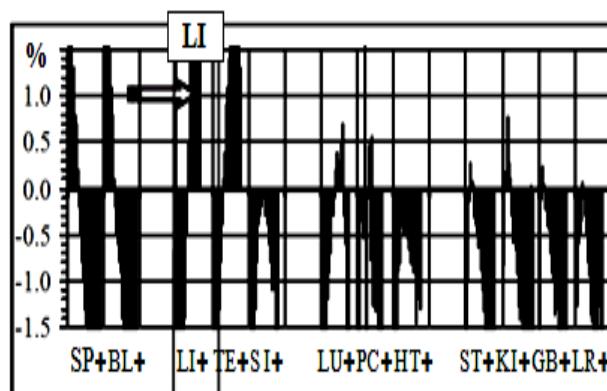
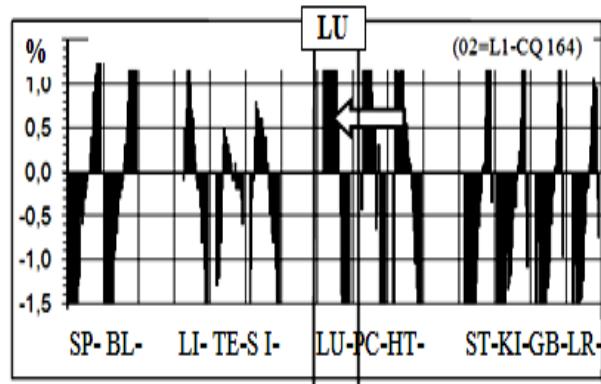
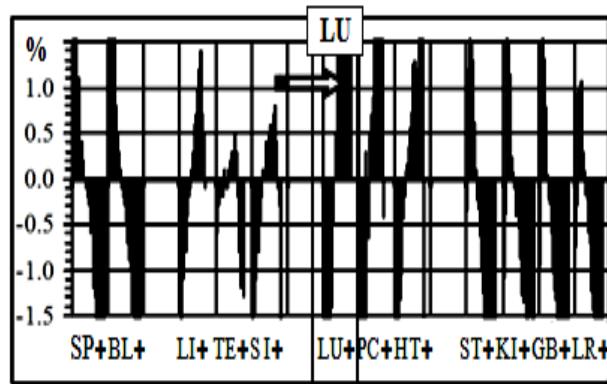


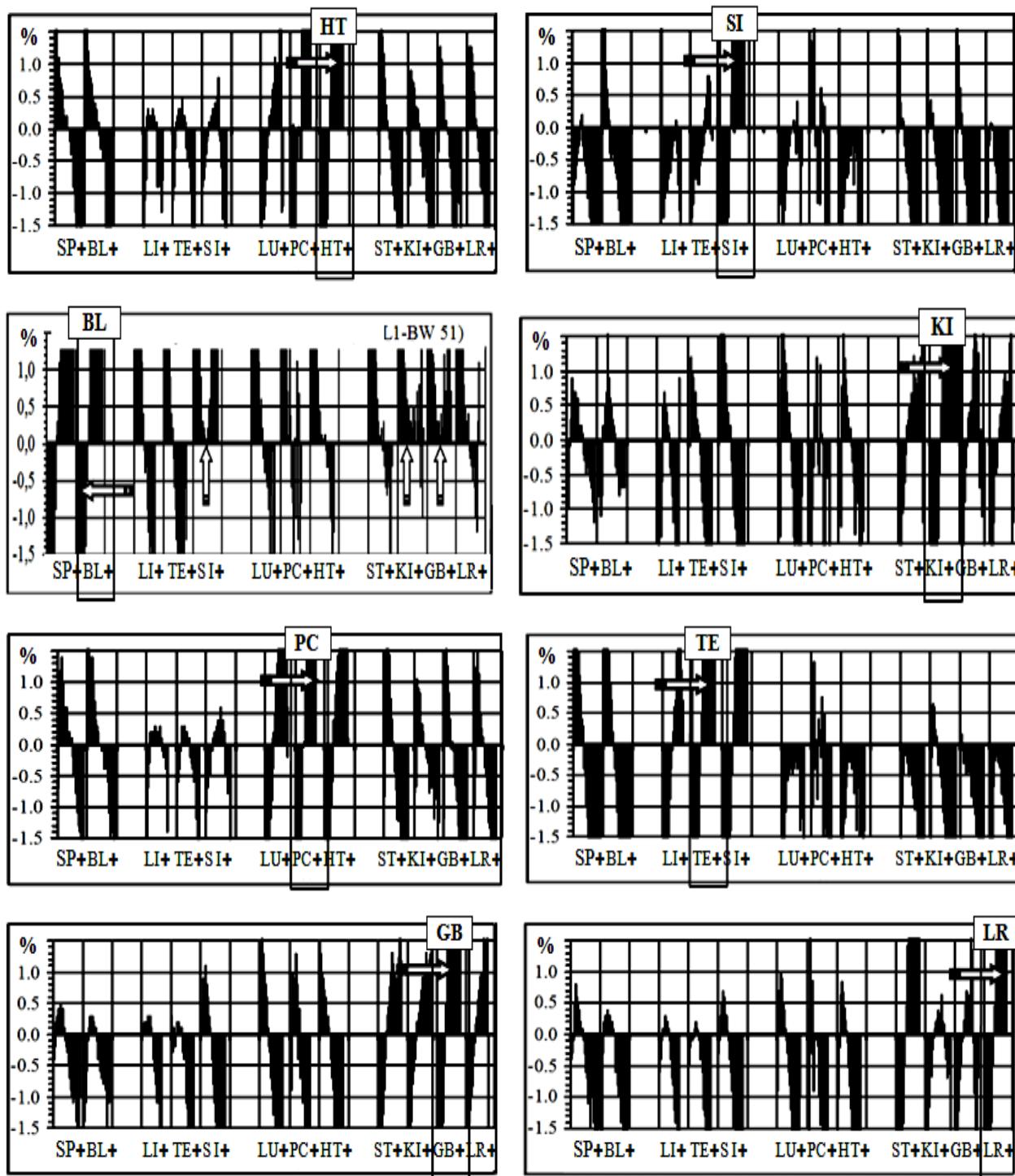




#### 4.REACTION CHANNEL ON EXCITATION AND OPPRESSION OTHER

The attention is paid to the specific property of every traditional acupunctural channel: differently-directed ability (synchronous, asynchronous and paradoxical reaction) to respond to the excitation and oppression in different functional systems...





### Conclusions

Proposed for consideration and analysis of materials system depending on the traditional "Big range of energy circulation" cast doubt on its biophysical reality and require scrutiny basic theoretical and practical provisions.

## References

1. Dubrovin Denis Aleksandrovich. Trudnyie voprosyi klassicheskoy kitayskoy meditsinyi (traktat Nantszin) : monografiya / D. A. Dubrovin. – L., Asta Pres, 1991. – 223 p. – ISBN 5-85-962-001-02.
2. Igloukalyivanie (perevod s vietnamskogo). : monografiya / pod obschey redaktsiey Hoang Bao Tyao, La Kuang Niep. – M., Meditsina, 1988. – 672 p. – ISBN 5-225-00299-4.
3. Ovechkin Aleksey Mihaylovich. Osnovy Chzhen-tszyu terapii : monografiya / A. M. Ovechkin; pod red. prof. V. G. Vogralika. – Saransk, Golos, 1991. – 416 p. – ISBN 5-7585-0007-0.
4. Portnov Foma Grigorevich. Elektropunktturnaya refleksoterapiya : monografiya / F. G. Portnov. – Riga, Zinatne, 1988. – 352 p. – ISBN 5-7966-0132-6.
5. Tabeeva Dina Muhamedovna. Rukovodstvo po iglorefleksoterapii : monografiya / D. M. Tabeeva. – M., Meditsina, 1980. – 560 p.
6. Funtionalna bioenerhodiahnostyka stiikosti vehetatyvnoi nervovoii systemy i yii bioaktyvatsiina korektsii (po V. Makatsu) / V. Makats, D. Makats, Iu. Laduba, Ie. Makats, A. Vlasiuk. Vinnytsia : UNIVERSUM-Vinnytsia, [1997]. – 100 p. – ISBN 966-7199-06-1.
7. Roik, O. M. Invariantni vymiriuvannia parametrv biolohichnykh obiektiv v systemakh medychnoi diahnostyky / O. M. Roik, A. I. Vlasiuk // Visnyk Vinnytskoho politekhnicchnoho instytutu. – 1999. – №. 2. – P. 8–12.
8. Lysohor, V. M. Pobudova matematychnoi modeli aktyvnosti merydianiv liudyny metodamy matematychnoi statystyky / V. M. Lysohor, V. H. Makats, A. I. Vlasiuk // Visnyk Vinnytskoho politekhnicchnoho instytutu. – 1999. – №. 4. – P. 5–9.
9. Vlasiuk, A. I. Avtomatzovana sistema kontrolu aktyvnosti akupunkturoi systemy liudyny / A. I. Vlasiuk // Visnyk Vinnytskoho politekhnicchnoho instytutu. – 1999. – №. 5. – P. 21–27.
10. Vlasiuk A. I. Systema kontrolu aktyvnosti akupunktury liudyny [Elektronnyi resurs] : avtoref. dys. na zdobuttia kand. tekhn. nauk : spets. 05.11.16 «Informatsiino-vymiriuvannia systemy» / Vlasiuk Anatolii Ivanovych ; Vinnytskyi derzhavnyi tekhnichnyi universytet. – Vinnytsia, 1999. – 18 p. – Rezhym dostupu: <http://ir.lib.vntu.edu.ua/bitstream/handle/123456789/9003/REFERAT.pdf?sequence=1&isAllowed=y>
11. Lysohor, V. M. Matematychna model otsinky vplyvu suttievych faktoriv na stan zedorov'ia liudyny dla system medychnoho telemonitorynhu / V. M. Lysohor, A. I. Vlasiuk, S. A. Yaremko // Visnyk Vinnytskoho politekhnicchnoho instytutu. – 2007. – №. 3. – P. 5–13.
12. Vlasiuk, A. I. Struktura informatsiinoho zabezpechennia systemy telemonitorynhu. / A. I. Vlasiuk, V. V. Hnatiuk // Optyko-elektronni informatsiino-enerhetychni tekhnolohii. – 2014. №. 2. – P. 99 –103.
13. Vlasiuk A. I., Hnatiuk V. V., Belzetskyi R. S. Ierarkhichne strukturuvannia bazy znan ekspertnoi systemy z baiesovskym metodom lohichnoho vyvedennia // Optoelectronic Information Technologies «Photonics-ODS-2008». Zbirnyk tez dopovidei IV Mizhnarodnoi naukovo-teknichnoi konferentsii, m. Vinnytsia, 30 veresnia–2 zhovtnia 2008 roku. – Vinnytsia: Universum-Vinnytsia, 2008. – P. 137–138.
14. Vlasiuk, A. I. Informatsiine zabezpechennia virtualnoi systemy diahnostyky ta korektsii stanu orhanizmu liudyny. / A. I. Vlasiuk, V. V. Hnatiuk, N. A. Vlasiuk // Internet-Osvita-Nauka-2006, p'iatia mizhnarodna konferentsia ION-2006. 10–14 zhovtnia, 2006. Zbirnyk materialiv konferentsii. Tom 2. – Vinnytsia: Universum-Vinnytsia, 2006. – P. 574–576.
15. Vlasiuk, A. I. Pidhotovka bazy znan Baiesovskoi ekspertnoi systemy v umovakh znachnoi korektsii rezultativ diahnostychnykh eksperimentiv / A. I. Vlasiuk, V. V. Hnatiuk, R. S. Belzetskyi // Internet–osvita– nauka «ION–2008» : zb. mat. VI Mizhnarodnoi konferentsii, 7–11 zhovtnia 2008 r. – Vinnytsia : UNIVERSUM-Vinnytsia, – 2008. – T. 2. – P. 489–490.
16. Chzhu-Lyan Rukovodstvo po sovremennoy Chzhen-tszyu terapii (igloukalyivanie i prizhiganie : monografiya / Chzhu-Lyan. – M., Gosizdat. med. literaturyi, 1959. – 270 p.
17. Illustrated dictionary of Chinese acupuncture / Zhang Rui-fu, Wu Xiu-fen, Nissi S. Wang. – Beijing College of Traditional Chinese Medicine. China, [1982]. – 408 p. – ISBN 962-06-0287-0.
18. Konig Georg, Wancura Ingrid. Praxis und Theorie der Neuen Chinesischen akupunrtur. Band 1 / G. Konig, I. Wancura. – Wien-Munchen-Bern, 1979. – 402 p. – ISBN 3-85175-294-5.
19. Wancura Ingrid. Praxis und Theorie der Neuen Chinesischen akupunrtur. Band 2 : monograph / I. Wancura. – Wien-Munchen-Bern, 1983. – 342 p. – ISBN 3-85175-295-3.
20. Namikoshi Tokujiro/ Shiatsu (Japanese Finger Pressure Therapy) : monograph / T. Namikoshi. – Japan publications, INC. Printed in U.S.A. – 1988. – 82 p. – ISBN 0-87040-169-6.