$F_r = A_r e^{i(\omega_r t + \phi_r)}$

$F_l = A_l e^{i(\omega_l t + \phi_l)}$

$\Delta A = A_l - A_r$

Hemisphere domination

Phase mixer

$I_c = A_l e^{i(\omega_l t + \phi_l)} * A_r e^{-i(\omega_r t + \phi_r)} = A_l A_r e^{i \Delta \phi}$ (Coherent component)

Coherency of oscillatory processes

$C = \frac{1}{T} \int_{t_0}^{t_0+T} A_l A_r e^{i \Delta \phi} dt$

Coordination between hemispheres

Degree of harmony of a person

$H = Sin\left(\frac{C}{2}\right) \left[1 + \left(Sin\left(\frac{\Delta A}{C} \pi\right)\right)^2\right]$
\[ H = \sin\left(\frac{C}{2}\right) \left[ 1 + \left( \sin\left(\frac{\Delta A}{C} \pi \right) \right)^2 \right] \]

\[ C \in \left[-\pi, \pi\right] \]

\[ \Delta A \in \left[-\pi, \pi\right] \]
In fig. 1.1 the modeling scheme of a man psyche based on functional asymmetry of two hemispheres of a head brain is resulted.

Fig. 1.1. Model of a man psyche

Model of mentality of the man on the basis of functional asymmetry of a brain

In fig. 1.1 the modeling scheme of a man psyche based on functional asymmetry of two hemispheres of a head brain is resulted.
<table>
<thead>
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<th>Type</th>
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<th>Logical Impulsive</th>
<th>Intuitive Stable</th>
<th>Intuitive Impulsive</th>
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**Categorization:**

- **Logical Stable:** L80S80, L70S80, L60S80, L60SD, L70SD, L80SD
- **Logical Impulsive:** L80D60, L70D60, L60D60, L60D70, L70D70, L80D80
- **Intuitive Stable:** I60S80, I70S80, I80S80
- **Intuitive Impulsive:** I60D60, I70D60, I80D60

**Dimensions:**

- L: Logical
- S: Sanguine
- D: Destabilizing
- IS: Intuitive Stable
- IS: Intuitive Impulsive
- LS: Logical Stable
- LD: Logical Impulsive
- ID: Intuitive Impulsive

**Characteristics:**

- Logical: L80S80, L70S80, L60S80, L60SD, L70SD, L80SD
- Logical Impulsive: L80D60, L70D60, L60D60, L60D70, L70D70, L80D80
- Intuitive Stable: I60S80, I70S80, I80S80
- Intuitive Impulsive: I60D60, I70D60, I80D60

**Notes:**

- The numbers represent the harmony or disharmony between hemispheres.
- Stability of mentality is indicated by the harmony between hemispheres.
- Unstable or impulsive behavior is indicated by disharmony.

**Sanguine:** L80S80, L70S80, L60S80

**Sanguine Tactician:** L80S80

**Destabilizing:** L80D80, L70D80, L60D80

**Intuitive Dreamer:** ID
Example video-computer psychocorrection
(psychophyysical self-control)
Muscles round eyes are strained, in them the tone is raised - spasms

On the contrary, muscles in the bottom part of a jaw on the right are weakened, in them the tone is lowered - a dystonia

After correction has occurred "correction of errors" - where the tone has been raised muscles have relaxed and where the tone has been lowered muscles tightened, the tone has raised. Symmetry of a phase portrait of the face as a result of symmetry of a phase portrait of a brain was established.

Such "correction of errors" leads to reduction of psychosomatic frustration
By arrows change of a phase portrait is shown. Orientation of the right eye has not changed. Orientation of the left eye has changed aside symmetry on 7 degrees.

Symmetry of a phase portrait of the face as a result of symmetry of a phase portrait of a brain was established.

Thus stability of mentality and harmony of the person has increased.
## Probability of psycho-somatic frustration

The spastic character, caused by infringement of a coordination of oscillatory processes in two hemispheres of a brain and aspiration to deprive with other advantage

### For psychological type « Intuitive impulsive » (I60D70)

This probability = \( D = 70\% \)

<table>
<thead>
<tr>
<th>Probability of psycho-somatic frustration caused by spasms of smooth muscles</th>
<th>Probability of psycho-somatic frustration caused by spasms skeletal muscles</th>
</tr>
</thead>
</table>
| The given probability is related with suppression of functions of the left hemisphere and impulsiveness, and also with desire to deprive with other advantage by reception the moral superiority over others (envy):  

1) dysfunction of cardiovascular system owing to which in due course can arise a vegetal-vascular dystonia, ischemic disease of heart, etc.;  
2) dysfunction of a gastroenteric path owing to which in due course can arise a gastritis, a stomach ulcer, etc.;  
3) dysfunction of pulmonary system owing to which in due course can arise a bronchial asthma, a hypostasis of lungs, etc. | The given probability is related with suppression of functions of the right hemisphere and impulsiveness, and also - with aspiration to deprive with other advantage by reception the material superiority over it{him} (revenge):  

1) muscular pains of a trunk and finitenesses owing to which in due course can arise a neuralgia, torocalgia, cervicalgia, lumbagalgia, sciatica, etc.;  
2) a dystonia of internal bodies (an intestines, a bladder, a bilious bubble, etc.) owing to which in due course there can be locks, urine incontinence, a cholecystitis, cholecystitis-pancreatitis, etc.;  
3) convulsions and convulsive readiness as consequence pains, arisen because of a spasm of skeletal muscles, and also tics and other small convulsions |

Probability = \((I+D)/2 = 65\%\)  
Probability = \((L+D)/2 = 55\%\)
Before correction

After correction
Before correction

After correction
1. Michael Jackson in 6-7 years yet did not appear on stage. He is in an intuitive stable condition, has propensity to realistic creativity (I60S80). Degree of harmony of the person very high - H=75%.

2. At 10-11 he has started to appear on stage. Stability of mentalities is a little decreased, is appeared attributes of the realized fear, uncertainty and isolation (I70SD.) H=55% /thus keeps vivacity of spirit.

3. He is already known actor, on peak of career. He prolonged, intensively and on a regular basis appears on stage. Has changed the form of a body and the form of mentality (a way of ancestors life). All this has led to a depression (I60D70.) H=35% . He bends for irrational art, faddiness.

4. The next years depression has left in euphoria, Light manic phase (L60D80). Draft prevails to a performing art, craft.

A degree harmonies has decreased to 25%.
By analyze of photo Computer issues as usual the following information:
Psychological type, degree of harmony of the person, relative development of intuition and logic, stability of mentality, religious potential, the forecast of behaviour in an extreme situation, the forecast of behavior at deterioration of a state of health, recommendation on Professional propensities and harmonization of the person.

IN ADDITION
1. Propensity to the antisocial phenomena. Probability of hit in antisocial groups and which.
2. How enter trust to this person and how to influence him in the necessary direction. Effectively to cooperate.
4. Scale of his person (scale of his opportunity to harmonize people around).
5. Psychological readiness for fulfillment of act of terrorism.
6. Property and a degree of falsity.
7. Perception of time: the responsibility before future and for the past, perception of present time.
8. Psychological compatibility with other types.
Example 1. As shows video-computer psychodiagnostics, cosmonaut Sergey Avdeev has achieved a high level of harmony. However, in space his condition is worsened - there is a propensity to depression (in particular before exit into open space). But Sergey knows how to carry out correction and comes back to the usual condition.
Cosmonaut YURI BATURIN

Example psychodiagnostics and psychocorrection with the help VCPS. From April 28 till May 6, 2001 cosmonaut Yuri Baturin used VCPS onboard of spaceship “Soyuz TM-32” and International space station (ISS). Psychodiagnostics and psychocorrection he carried out for himself. On a photo 1 Yuri Baturin is in usual for him psychological condition on ground (I60S70). He has a high enough degree of harmony of the person H=65 %. The photo 2 is made the first day of flight (April 28, 2001) onboard the ship “Soyuz TM-32”. At him the function of the left hemisphere (I80D60) is suppressed, there is a propensity to depression, the degree of harmony of the person has decreased H=45 %. After that Yuri Baturin carried out psychocorrection with the help VCPS on Soyuz TM-32 and ISS. The photo 3 is made on ISS (May 4, 2001). As it is visible from the scheme, his condition was improved and is close to his usual condition I60S60, H=55 of %. The photo 4 is made in one hour after an arrival (May 6, 2001). His condition is stable and counterbalanced LIS70, H=70 of %.

Typology on ANUASHVILI
49 types (usual people)
The numbers mean - %
H - Harmony of a person
L - Logic
I - Intuition
S - Stability
D - Destabilization

Photo 1
Usual condition

Photo 2
In “Soyuz TM-32”
April 28, 2001

Photo 3
In ISS
May 4, 2001

Photo 4
After an arrival
May 6, 2001
Michael Pizhadze and Yelena Zinchenko

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