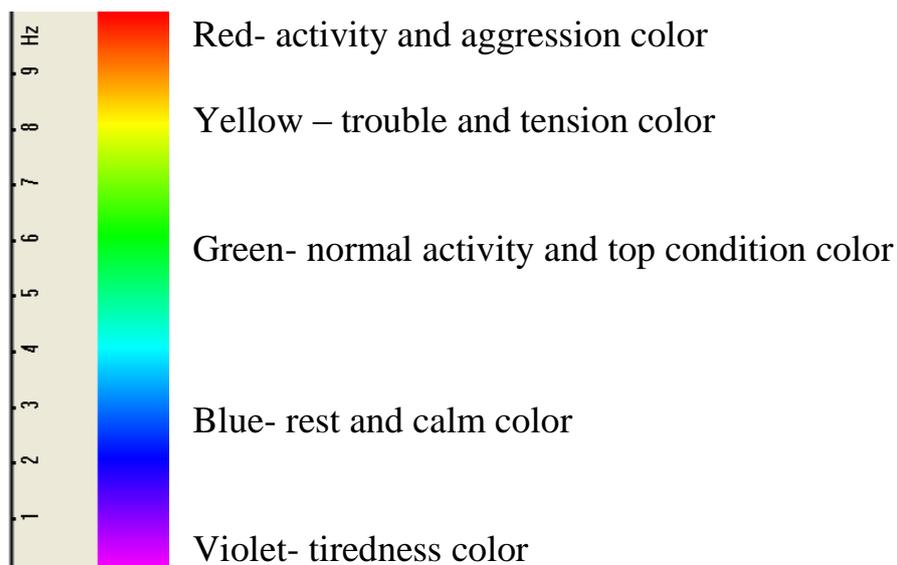


Emotion recognition by vibraimage system head microvibration analysis

VibraImage system gives different technical possibilities for emotions recognition, but typical users prefer to characterize person by external vibraimage or aura on real image. Aura based on vibraimage allows clearly and visually demonstrate mental and physiological state of human being. Short interpretation of aura colors and forms follows below. This short information does not limited but only gives to user the main directions of person analysis. Every user after application experience could greatly diversify, extend and intensify knowledge about mental and aura of individual.

Brief aura color interpretation



Aura colors irregularity and non-uniformity characterized unbalanced state and anxiety character of person.

Brief aura form analysis

- Any aura asymmetry (form, color) characterized about deviation from mental or physiological norms.
- Any breaks in aura uniformity characterized about deviation from mental or physiological norms.
- Ideal aura has mono color, symmetrical and uniform. Any real aura differs from ideal and the question of interpretation is to characterized real aura deviations.

Note

This brief aura interpretation right for default vibraimage system settings and based on main rules for right vibraimage scanning:

- uniform and stable object illumination;
- high quality and low noise camera application;
- frontal plane object before camera;
- maximum facial image size on monitor;
- mechanical stabilization of camera.

Detail description of correct vibraimage adjusting included in AuraVibra Manual document.

Samples of human being aura visualization

Normal and top conditions

Normal condition characterized by aura color and form uniformity around the head, relevant monochrome color in the middle of suggested color scale. Activity level is about 0.3-0.6. Stress level is about 0.2-0.5. Tension level is not more than 0.4.

Every emotion level measured in the range from 0 till 1,0 and minimal value coordinates with minimal emotion intensity.

Frequency distribution histogram is near normal (Gauss) distribution and spectrum of high speed vibraimage signals is near exponential distribution.

Aura photos samples for normal condition of person are below:

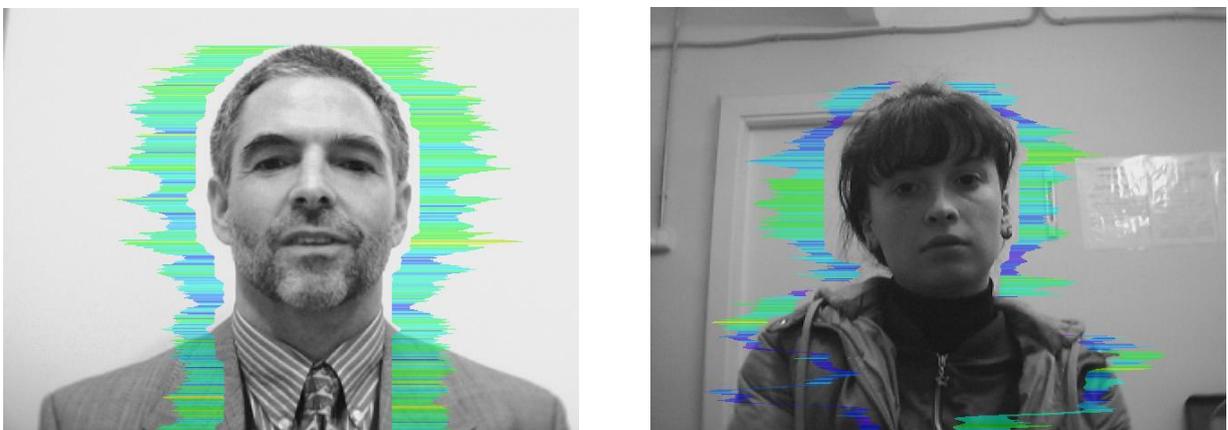


Fig.1 Aura photos samples for normal condition of persons.

Stress state or condition

Stress state characterized by amount gaps in aura form and greatly aura colors non uniformity. Aura includes every scale colors and sharp color transfer, like red color could transfer to blue. Stress level more than 0.7

Aggression or activity level is low, not more than 0.5 and tension level is high and usually more than 0.4

Frequency distribution histogram has several modes and high speed vibration signals spectrum presents superposition of exponential and uniform distributions.

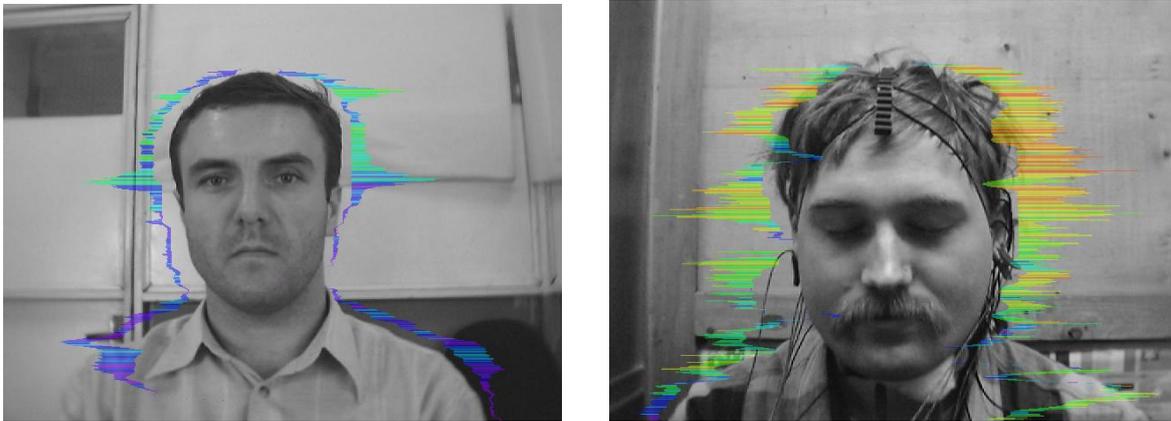


Fig.2 Aura photos samples for stress condition of persons.

Aggressive and/or tension state

Aggressive state is not every time coordinates with tension, and tension state is not always coordinates with aggression. But often this two emotions accompany each other. Aggressive state obligatory characterized by high frequency vibrations and red colors in aura. Aura size is more than normal and gaps could absent, but color and form non uniformity must present. Stress level could be low, less than 0.3

Anger level more than 0,7 and tension level more than 0.4.

Frequency histogram distribution has maximum in right part of the range and distribution has amount dispersion. High speed signals spectrum envelope looks like uniform distribution.

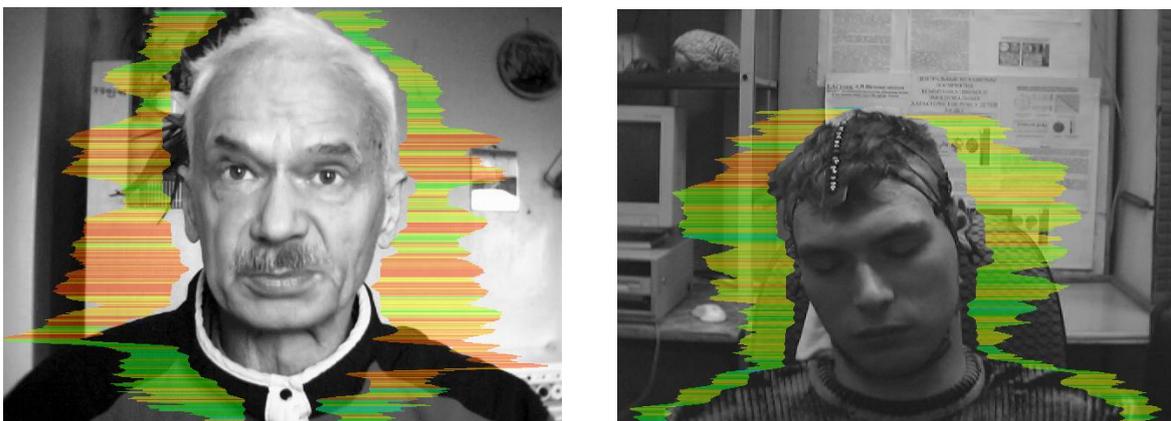


Fig.3 Aura photos samples for aggression condition of persons.