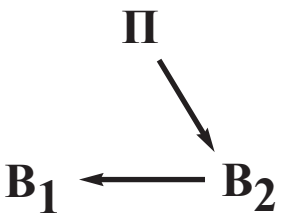
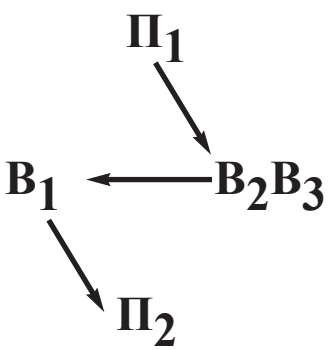
Vepol Models

Each science has the «language». From the elementary particles this language there are most complex, big structures. Such big structures can be much and understand them, not get confused in complex elements – in the beginning it is necessary to understand structures simple.

Vepol models is «language» of TRIZ. According to this «language» any system can be presented as set of elementary models from «substances» and «fields». Thus of «substance» and «fields» in vepol models not always correspond to real substances and fields.

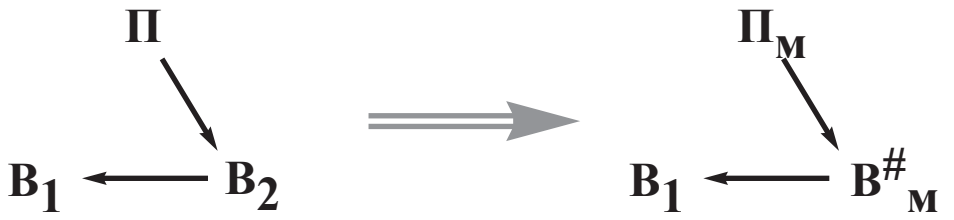
The Minimal system should contain three elements. Usually it is two «substances» (B) and one «field» (П), however there are also other models.





It was originally revealed five key rules of transformation вепольных models (other name – rules of the vepol analysis). Further the quantity of such rules has increased. New kinds of vepol models also were received: complex, double, chain...

Separate elements of vepol models changed (developed) also. Transition to disperse and structured «substances» was revealed, structured «fields» more effectively worked. The most interesting results are received from application of **fepol** structures at which there is a magnetic field, and one of substances is disperse ferromagnitic.



In G.S.Altshuller's book «**Creativity as the exact science**» is shown 18 typical vepol models and transformations. On the basis of these elementary structures the system of standards for the solution of invention's problems is constructed. Vepol models are used for formation of modern information funds of various effects.

The first works about vepol models were prepared by students of the Azerbaijan institute of invention's creativity under G.S.Al'tshullera's management in 1973.

Vepol models are very closely connected to laws of development of systems. On the one hand – development of vepol models occurs according to these laws. On the other hand – laws take into account vepol character of systems.