The factorial attack angle-resonance analyzer comprises a critical angle sensor α_{cr}, a setter α_{al} (alighting regime), a setter α_t (take-off regime), a function switch, a current attack angle sensor, an overload sensor, a signal converter switching unit, a frequency discriminator, a resonance curve maximum limiter, a limiting amplifier of resonance curve operating range, a resonance curve slope determinant, a resonance-alarm signal shaper, a voice caller, an illuminated-indicator panel, a computer indicator, computer-resonance signalling index, an autopilot command shaper, an autopilot signal. There is a signal converter, a frequency discriminator, a resonance curve maximum limiter, a limiting amplifier of resonance curve operating range, a resonance curve slope determinant, a resonance-alarm signal shaper where signals to the voice caller go, an illuminated-indicator panel and a computer indicator where the signal to the autopilot command shaper comes and then to the autopilot itself.