

The invention relates to the field of measuring equipment and radioelectronics and can be used for reproduction of virtual impedances with independent regulation of the modulus and phase.

The impedance converter comprises two terminals (2, 7), an operational amplifier (1) with two inputs and one output, a code-controllable variable resistor (3), connected with the poles between the inverting input and the output of the operational amplifier (1), a fixed resistor (4), connected between the noninverting input of the operational amplifier (1) and the common wire, a differential amplifier (5) with stepwise-variable transmission coefficient, having its inputs connected, respectively, to the output and the noninverting input of the operational amplifier (1), a code-controllable shifter (6) with the possibility of controlling the phase in the range of values $0...360^\circ$ and with unit amplification coefficient, having its input connected to the output of the differential amplifier (5) and its output – to the noninverting input of the operational amplifier (1), at the same time the terminals (2, 7) are connected respectively to the inverting input of the operational amplifier (1) and to the common wire.

Claims: 1

Fig.: 1

