The invention relates to the field of measuring technology and radioelectronics and can be used for reproduction of floating virtual im-pedances represented in polar coordinates.

The impedance converter comprises an operational amplifier (1) with two inputs and one output, a differential amplifier (5) with unit amplification coefficient, having its inputs connected respectively to the output and to the noninverting input of the operational amplifier (1), a code-controllable shifter (6), made with the possibility controlling the phase in the range of 0°…360° and with the unit amplification coefficient, having its input and output connected respectively to the output of the differential amplifier (5) and to the noninverting input of the operational amplifier (1), a code-controllable variable resistor (3), having its contacts connected respectively to the inverting input and to the output of the operational amplifier (1), a fixed resistor (4), having one contact connected to the noninverting input of the operational amplifier (1), two signal terminals (2 and 7), one of which (2) is connected to the inverting input of the operational amplifier (1) and three terminals (8, 9 and 10) of the power supplies, the common poles of which are electrically separated from the common wire of the converter, to two terminals (9 and 10) are connected respectively the positive and negative power supply contacts of the operational (1) and differential (5) amplifiers and of the phase shifter (6), and to the third terminal (8) are connected the second signal terminal (7), the second contact of the fixed resistor (4) and the common points of the operational (1) and differential (5) amplifiers and of the phase shifter (6).

Claims: 1
Fig.: 1