

OP2 buffers the 1kOhm load from OP1.
 The inverting signal is amplified by 20 x.
 The physical resistor value is increased by 21,27 x
 but the Johnson Noise has only increased by 4.61 times,
 because of the square root in the Johnson equation, thus,
 the current noise injected by R5 is also reduced by 4.61 x.
 Noise improvement with a Shure M75ED2 (610 Ohm, 470mH)
 is 1.5dB. OPs are NE5534A

