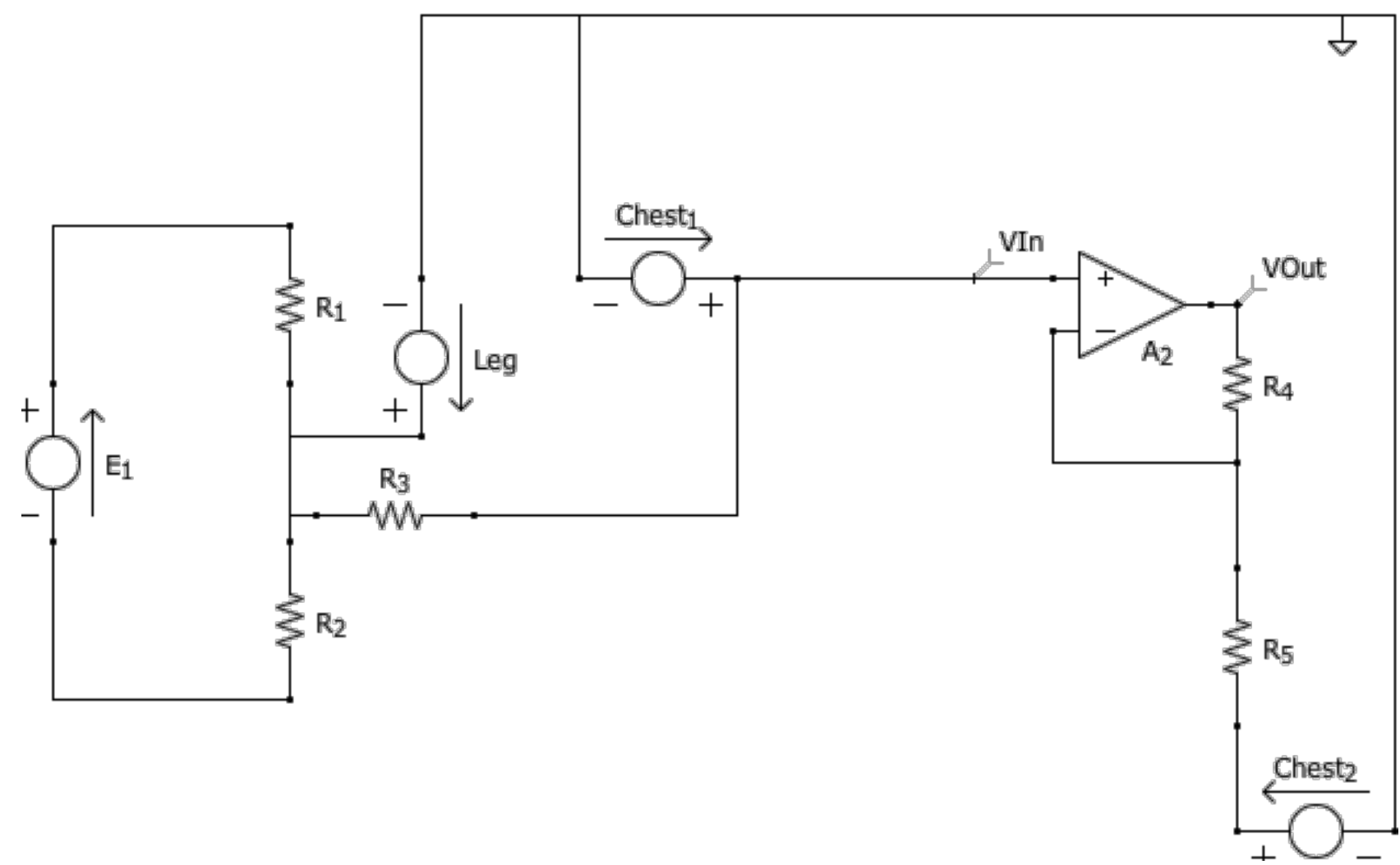


Original circuit taken from:
<http://www.swharden.com/wp/2016-08-08-diy-ecg-with-1-op-amp/>



R5	2,20	kΩ				
R1	2,20	kΩ				
R2	2,20	kΩ				
R4	100	kΩ				
R3	1,00	MΩ				
E1	9,00	V				
Chest1	1,00	mV				
Leg	1,00	μV				
Chest2	500	μV				
A2	Vsath	9,00	V	VsatL	0	V
VIn						
VOut						

Circuit solved

Circuit state
A2 linear mode

$V_{In} = \text{Chest}_1$
 $V_{In} = 1,00 \text{ mV}$

$$V_{Out} = \frac{\text{Chest}_1 R_4 + \text{Chest}_1 R_5 - \text{Chest}_2 R_4}{R_5}$$

$V_{Out} = 23,7 \text{ mV}$