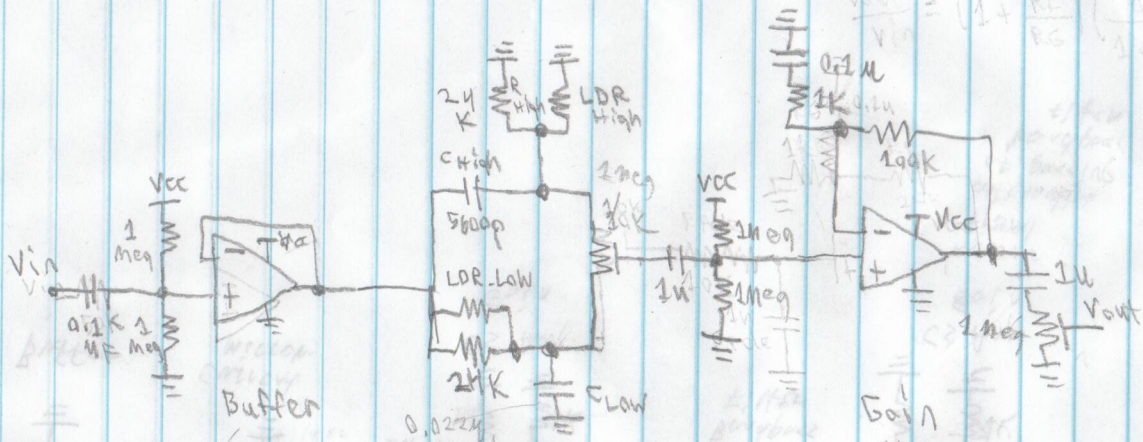


Light Affected Tone Pedal Op Amp



Buffer
To deal w/
varying
output
resistances
of different
guitars

Bandpass
Filter

LDR = 3K - 4K

Gain
Stage
To recover
power loss of signal
from passive filter

$$\frac{V_{out}}{V_{in}} = \left(1 + \frac{R_F}{R_G}\right) \left(\frac{1}{1 + \text{steple}}\right)$$