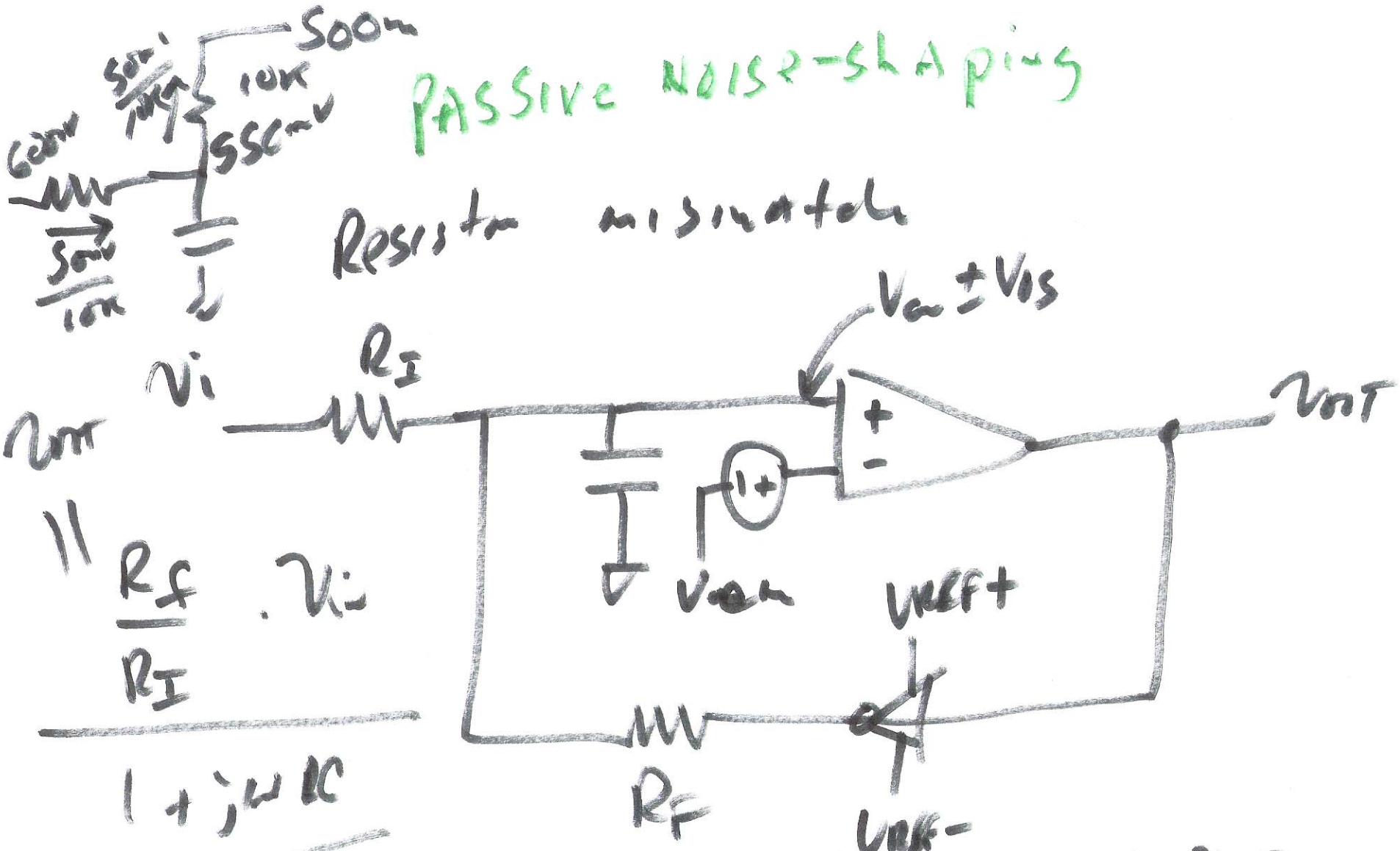PASSIVE NOISE-SHAPING