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The regenerative receiver was widely used in the 1920s and 30s because it was able to provide high levels of gain and selectivity with a small number of valves or tubes. As costs of these devices were high, and they often ran on

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batteries, minimising the number of stages was key. As a result the regenerative receiver was a popular radio technology.

Radio receiver design - Wikipedia

The oscillation of the regenerative receiver could also be a source of local interference. An improved design known as the super-regenerative receiver improved the performance by allowing an oscillation to build up which was then "quenched", with that cycle repeating at a rapid

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(ultrasonic) rate.

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Therefore, a goal of tube receiver design was to get the most performance out of a limited number of tubes. The major radio receiver designs, listed below, were invented during the vacuum tube era. A defect in many early vacuum-tube receivers was that the amplifying stages could oscillate, act as an oscillator, producing unwanted radio frequency alternating currents.

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18/4/2018 · The performance limit, i.e., the maximal available power was defined with respect to a benchmark equivalent cubic geometry (Vol), the density of gold (ρ_{Au}), and vibration frequency (ω) and amplitude (Y_0), as: (Equation 5.4) $FoM_v = \text{Useful Power Output} / 16 Y_0 \rho_{Au} V_0^{4/3}$. A high power output is not the only goal ...

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Vertical Air Tanks – Compressor Air Receiver Tanks

...

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The design of these air tanks enable them to install them with a very little space consumed. These kinds of air receiver tanks come as Vertical Air Tanks and vertical with top plate types. There are many manufacturers and dealers of Vertical Air Tanks ; however, none other than Compressor World understands the need and requirements of the end users perfectly.

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Superheterodyne Radio Receiver: Superhet Basics ...

The superheterodyne radio receiver, although the RF circuit design is more complicated than some other forms of radio set, ... sets or even regenerative radios that were used particularly in the early days of radio. ... Good image rejection is one of the keys to a high performance radio receiver. Read more about

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This radio kit will cover the AM radio band along with the SW radio band. Power for this receiver is 1.5 V DC for the filaments and 45V DC for the plate current. A D cell and five 9V transistor batteries wired in series will work to power this radio. A 2000 ohm headset or an audio amplifier is required. Requires two T-1T4_DF91 tubes (not included).

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Dogan Ibrahim, in Designing Embedded Systems with 32-Bit PIC Microcontrollers and MikroC, 2014. 8.2 Project 8.2—Generating Pulse-Width Modulation Waveform
8.2.1 Project Description. Pulse-width modulation (PWM) is a powerful technique for controlling analog circuits with a microcontroller's digital outputs. PWM is used in many applications, ranging from ...

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A design from 1969 published in Practical Wireless . The 'Microamp'. A two stage SE design. The Mullard 3-3 Audio Amplifier. The original design. Also, a professionally built 3-3 amplifier. The Mullard 5-10 Audio Amplifier. The original design. The Mullard 5-20 Audio Amplifier. The original design. The Mullard ECL86 10 Watt Stereophonic Audio ...

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High -friction, heat ... when investigations indicate that they contain serious safety defects in their design, construction or performance. ... A radio receiver that receives radio signals ...

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This is high impedance and must be kept very short. In fact, it is perfectly acceptable to mount the transformer inside the transmitter for best performance. I decided to do this with my Viking Ranger transmitter by mounting the transformer inside the external VFO input I added to the Ranger. RIT Keying Circuit:

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Championship.

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cable, dirt on a contact, and critters chewing on the cable

...

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two laser diodes (bidirectional pumping), although unidirectional pumping in the forward or backward direction ...

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