



New Quad Studies

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Based on earlier notes at this site, I embarked on a more systematic study of quad beams. The articles below, all but one of which have appeared in *antenneX*, represent the core of this approach. Articles containing BASIC file listings now have links to download the monoband quad calculation programs in various formats.

1. **Calculating the Length of a Resonant Square Quad Loop**
2. **2-Element Quads as a Function of Wire Diameter: Part 1: Understanding Some Quad Properties**
3. **2-Element Quads as a Function of Wire Diameter: Part 2: Automating the Design Process**
4. **2-Element Quads as a Function of Wire Diameter: Part 3: Fatter Elements from "Mere Wire"**
5. **Automating the Design of 3-Element Monoband Quad Beams: Part 1: A Wide-Band Model**
6. **Automating the Design of 3-Element Monoband Quad Beams: Part 2: A High-Gain Model**
7. **40-Meter Wide-Band 3-Element Quad Designs**
8. **4-Element Monoband Quad Design**
9. **Some Notes on Long-Boom Quads**
10. **In Pursuit of Better VHF Quad Beams: A Work in Progress**



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