**Operation Types**
The relation between the number of arithmetic and logic (bitwise) operations differ between the embedded and SpecInt95 programs.

**Function Signatures**
The functions in the embedded programs had a much larger tendency to not return values and take no parameters, compared to the SpecInt95 programs.

**Example Differences Between the Codes**

**Summary**
Desktop C-language code is very different from embedded systems C code. This is shown using a number of source code metrics on two sets of representative programs.

**Methodology**
- Analyzing static properties of the source code of programs, not the dynamic properties of executing programs.
- Analyzed programs: 13 commercial embedded applications, the SpecInt95 benchmark suite.
- Using a modified IAR C/ C++ compiler to compile statistics.

**Integer Variable Types**
Embedded programs contain far more small and unsigned integer variables than SpecInt95.

**Advice**
- Benchmark your programming tools using actual application code.
- Do not trust performance data based on standard benchmarks, especially not SpecInt95 and similar desktop benchmarks.

For more information, read the paper in the proceedings and visit http://www.docs.uu.se/~jakob/publications.html