

Rapid Portable Signal Processing Software Development Architecture

- **Wouldn't it be wonderful if an API existed such that ...**
 - **Completely develop and test complex SPS applications on the machine of choice**
 - **Port, compile and execute on target architecture in a few hours**
 - **Data inputs and outputs could plug-and-play with industry standard analysis tools**
 - **Applications code looked like Matlab code**

Rapid Portable Signal Processing Software Development Architecture

- **Wouldn't it also be nice if an API existed such that ...**
 - **Application software transparently reaps benefits of VSIPL middleware**
 - **Develop object-oriented applications without significant performance penalty**
 - **Application math object manipulation similar to STL container object design**
 - **Inherently stable applications memory leaks ... relics of the past**

Rapid Portable Signal Processing Software Development Architecture

- **Wouldn't it just be peachy keen if an API existed such that...**
 - **Automatic sharing of signal processing objects and data initialization**
 - **Application development time conservative 4X improvement**
 - **Built-in diagnostic/profiling/performance tuning capabilities**
 - **Basic capability is freeware.**