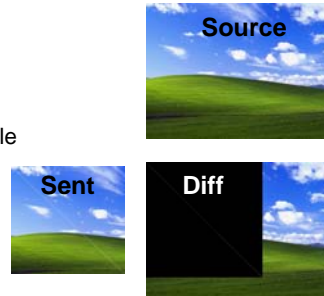


## Verification Components:

### ✓ Video & Audio processing – C++ libraries with:

- Read/write files: bmp, jpg, tif, png. – wave, mp3...
- Manipulation: Rotate, make diff, draw, play, mono/multiple channels.
- Insert/collect to Hardware.
- Generate video / audio files
- All you need for video/audio processing without Matlab.



### ✓ DPF (Digital Processing Framework) – Optional with Matlab

- Matlab reference model integration (DSP, image processing, etc), for direct on-line comparison to HDL implementation.
- The Matlab interface library provides an easy, intuitive, C++ interface for writing mex functions or calling Matlab functions / DLL.

### ✓ PCI-x Bus

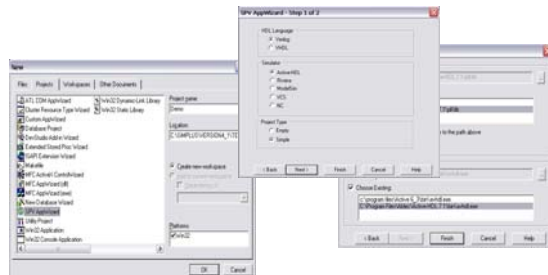
- Ready-to-use bus functional model implements PCI-X Local Bus command interface.
- Provides high level programming interface (C++ / Python).
- Configurable and extendable.
- Field tested.

### ✓ GB Ethernet - Full Protocol Support for Driver & Collector.

- Driver can be fully reconfigured (speed, error insertion, protocol error).
- **QoS** – Full support for MAC frames including: VLAN, IPv4, IPv6, MPLS Unicast and Multicast
- Supports multiple DUT (Device Under Test).

### ✓ Project Creation Wizard

- Minimize setup time!
- SPV Tesbench Wizard provides a working testbench skeleton based on information from your HDL-environment.



Support for C++ and Scripting Language

### Functional Coverage - Coverage driven verification

SPV enables the user to produce new states by placing queries to the coverage during runtime. This technique of dynamic coverage driven verification can result in 100% coverage and efficiency.

