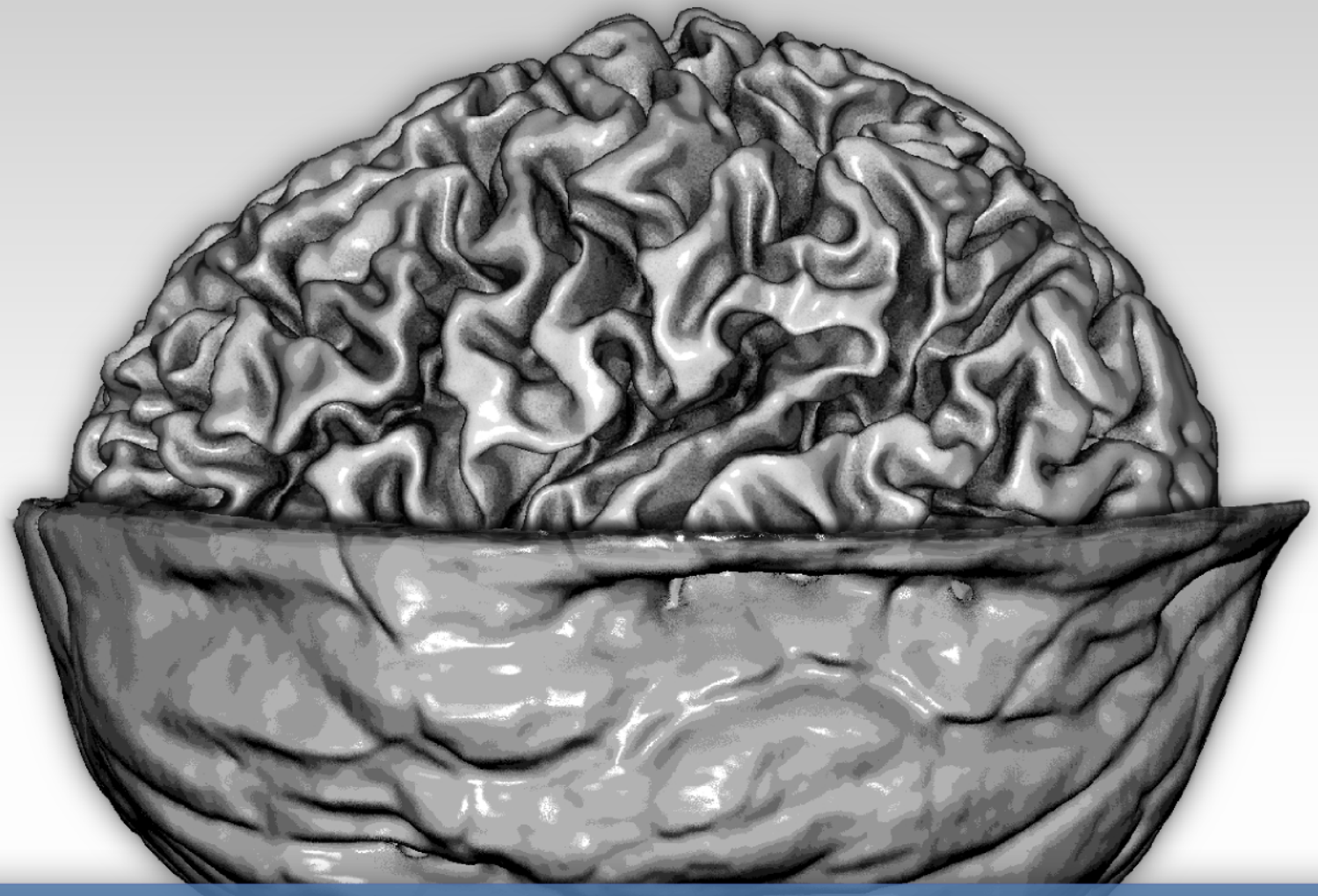

OpenWalnut

An open-source tool for visualization of medical and bio-signal data

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```
     *
    virtual bool connectable( boost::shared_ptr<WModuleConnector> con )
    {
        // since WModuleInputData::connectable already does all the type checking, we simply forward the call
        return WModuleOutputConnector::connectable( con );
    };

    /**
     * Returns the prototype of the Type T used in this connector.
     *
     * \return the prototype of the transfered type.
     */
    virtual boost::shared_ptr< WPrototyped > getTransferPrototype()
    {
        // get prototype or the data pointer currently set
        return ( m_data == boost::shared_ptr< T >() ) ? T::getPrototype() : boost::static_pointer_cast< WPrototyped >( m_data );
    };

protected:
private:
    /**
     * The data associated with this connector.
     */
    boost::shared_ptr< T > m_data;
};

template < typename T >
typename WModuleOutputData< T >::PtrType WModuleOutputData< T >::create( boost::shared_ptr< WModule > module, std::string name,
                                                                         std::string description )
{
    typedef typename WModuleOutputData< T >::PtrType PTR;
    typedef typename WModuleOutputData< T >::Type TYPE;
    return PTR( new TYPE( module, name, description ) );
}

template < typename T >
typename WModuleOutputData< T >::PtrType WModuleOutputData< T >::createAndAdd( boost::shared_ptr< WModule > module, std::string name,
                                                                               std::string description )
{
    typename WModuleOutputData< T >::PtrType c = create( module, name, description );
    module->addConnector( c );
    return c;
}

#endif  // WMODULEOUTPUTDATA_H
```

Open Source

Change, Improve, Adapt, Utilize, Understand

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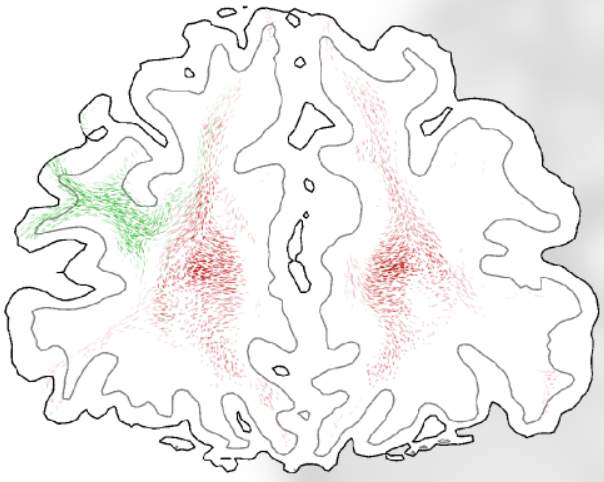

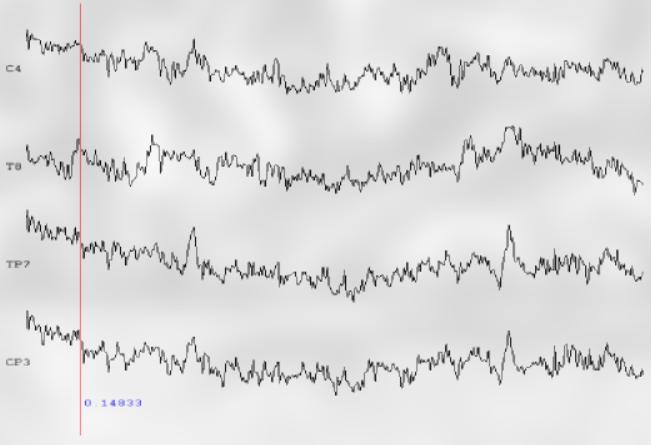

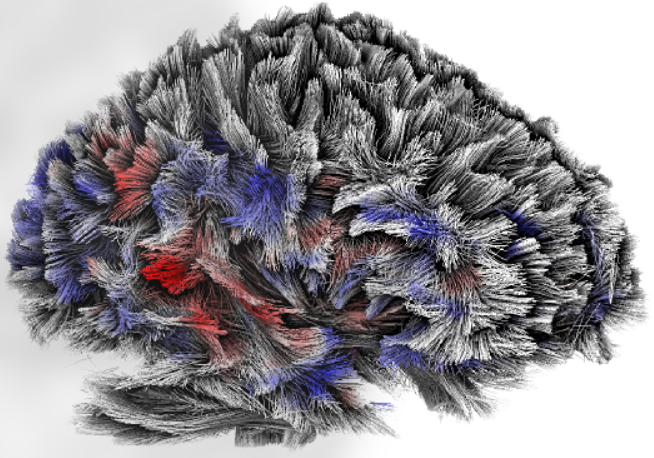

General Purpose

Many Image Modalities, Many Signals, Many Sciences

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Extensible

Add Algorithms, Script Calculation Pipelines, Link to Toolkits

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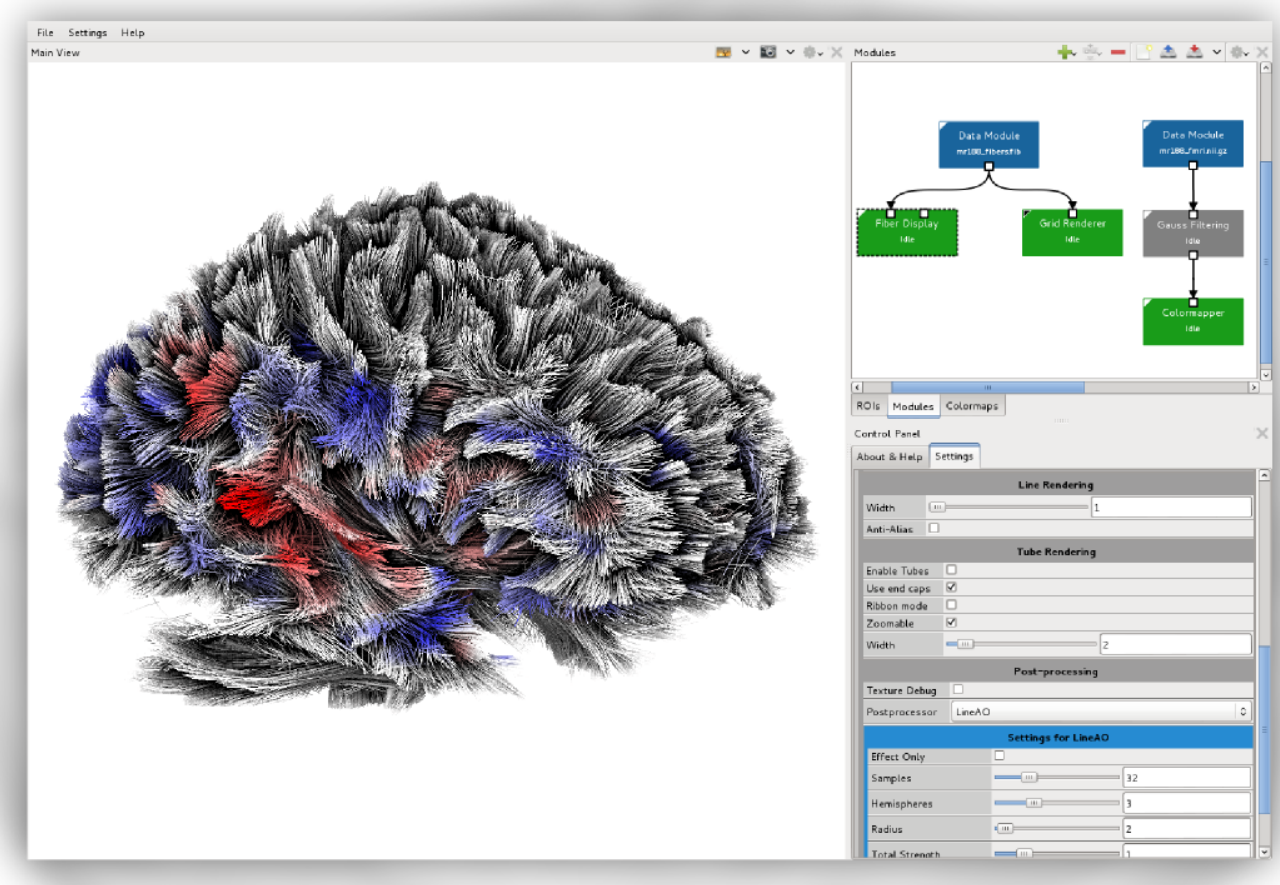

GUI

Structured, Clean, Build Around the Module Concept

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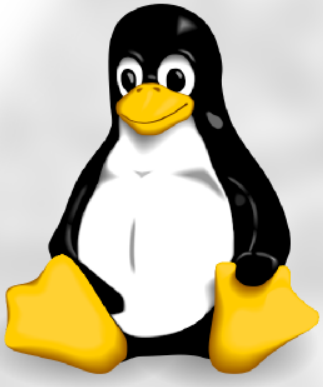


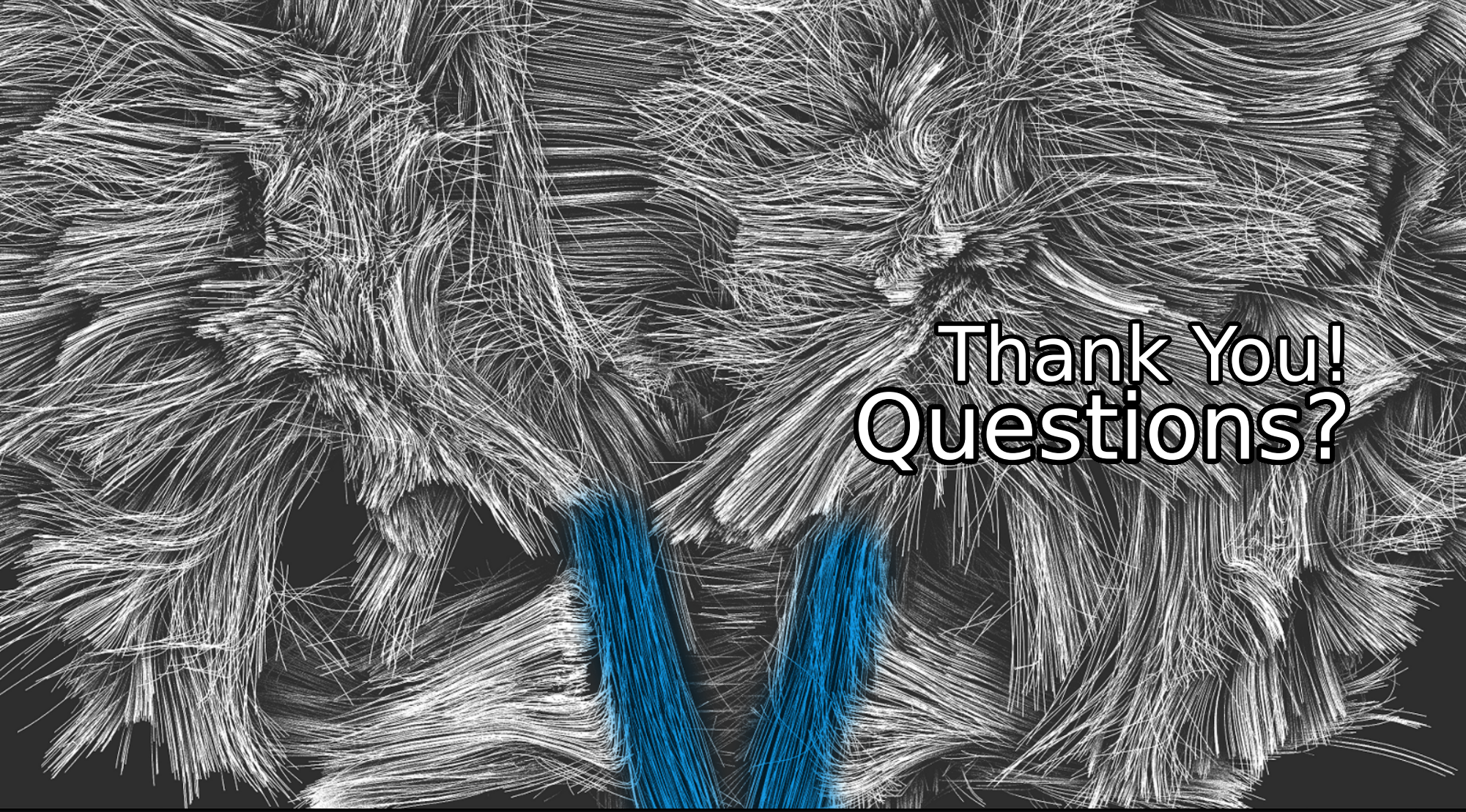
www.openwalnut.org

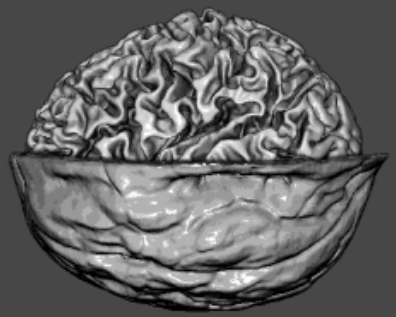
Available

Packages, Binaries, Many Platforms

It is not

Finished, Complete, Perfect, Bug-Free





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Visualization in a Nutshell