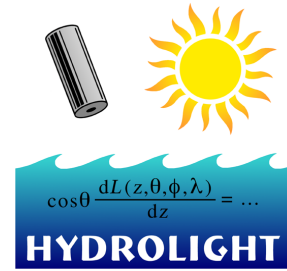


Computer requirements for running

HYDROLIGHT 4.X



Hydrolight is currently distributed in two versions: 4.2 for PCs running Microsoft Windows operating systems, and 4.0 for UNIX systems. Both versions are provided with each software license. The core Fortran mathematical code that solves the radiative transfer equation is the same for all versions. Version 4.2 has many features not available in 4.0; we therefore strongly recommend running version 4.2 on a PC with Windows to obtain the full power of Hydrolight.

Version 4.x has been developed and tested on the following computer systems:

- Various Intel-CPU (486, Pentium to Pentium IV) and AMD Personal Computers running the Microsoft Windows 3.1, 95, 98, NT 4.0 and ME operating systems with Versions 2.01 to 5.6 of the Lahey Fortran 90 and 95 compilers.
- A Sun Microsystems Ultra 1 UNIX workstation running the Sun Solaris 5.2.1 operating system with Version 4.0 of the Sun SPARCCompiler Fortran 77 compiler

Based on experience with these systems, the following minimum requirements are recommended for running either Version 4.0 or 4.2:

- A minimum processor speed of 150 MHz
- A minimum of 32 MBytes of RAM
- A minimum of 100 MBytes of available hard drive space

Hydrolight has been successfully run on slower/smaller systems, but compilation and run times can be frustratingly long. Runs requesting atypically large amounts of output or very high depth, direction, or wavelength resolution can exceed the above minimum specifications.

The core Hydrolight code has been purposely kept as ANSI standard Fortran 77 so as to make the code as portable as possible. However, because the Version 4.2 Graphical User Interface (GUI) runs only under Windows 95/98/NT/ME, we strongly recommend running Hydrolight on a PC with Windows. The GUI is designed for a monitor resolution of 1024x768 pixels and 256 colors. Version 4.0 for UNIX has a text-based interface, which is less user friendly and powerful than the GUI.

At the present time, full user support for Hydrolight 4.0 is provided only for

- Sun UNIX workstations with the Solaris operating system and Sun Fortran 77 compiler

Hydrolight 4.2 is supported only for

- PCs with the Windows 95/98/NT/ME operating system and the Lahey Fortran 95 Express compiler

No other systems are currently available at Sequoia Scientific, Inc., and therefore user support for other systems cannot be provided at the same level as for the available systems. Although users routinely run Hydrolight on other systems, a few problems have been reported (for example, the Silicon Graphics Fortran 77 compiler requires certain compilation switches to be set so that it adheres to ANSI standards). Some users have run the PC version of Hydrolight on Apple MacIntosh computers with Virtual PC software.

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