

<i>Boundary Condition</i>	<i>Elliptic (Poisson Equation)</i>	<i>Hyperbolic (Wave Equation)</i>	<i>Parabolic (Heat Equation)</i>
Dirichlet open surface	Underspecified	Underspecified	<i>Unique & stable (1-D)</i>
Dirichlet closed surface	<i>Unique & stable</i>	Overspecified	Overspecified
Neumann open surface	Underspecified	Underspecified	<i>Unique & Stable (1-D)</i>
Neumann closed surface	<i>Unique & stable</i>	Overspecified	Overspecified
Cauchy open surface	Nonphysical	<i>Unique & stable</i>	Overspecified
Cauchy closed surface	Overspecified	Overspecified	Overspecified