

```
# Read and parse an eigenvalue from a sorted eigenvalue array
.resolve_eigenvalue <- function(order, eigenvalues, components, digits){
  # Read from a sorted eigenvalue array at that order
  eigenvalue <- eigenvalues[order]
  # Get norm and order columns
  features <- data.frame(Norm = abs(eigenvalue), Order = order)
  if(components){
    # If components are sought, resolve the eigenvalue into seperate columns first
    res <- cbind(data.frame(Re = Re(eigenvalue), Im = Im(eigenvalue)), features)
  } else{
    # Otherwise, don't resolve the eigenvalue components
    res <- cbind(data.frame(Eigenvalue = eigenvalue), features)
  }
  # Round entries and return the resolved eigenvalue
  res <- round(res, digits)
  return(res)
}
```