Phase 0

Building detector layout
Calculating pixel location based values depending on layout

Code flexible enough to work for a variety of detector types
assumed to consist of a grid of modules with optional gaps allowed in between rows and columns.

phase0_LayoutExamples.R:
Examples of detector layout

INPUT
Currently as part of R-code:
- Real world examples: Excalibur, Perkin-Elmer, Pilatus
- 4 (hypothetical) sample detector set ups

OUTPUT
- Layout object

phase0_LayoutVisualisation.R:
Plot showing modules and gaps of detector layout

INPUT:
- Layout object

OUTPUT
- Plot visualising layout

phase0_LayoutPixel.R:
Calculations of pixel specific layout information stored in matrices

INPUT:
- Layout object

OUTPUT:
- LayoutPixel object
- Plots visualising layout depending pixels functions