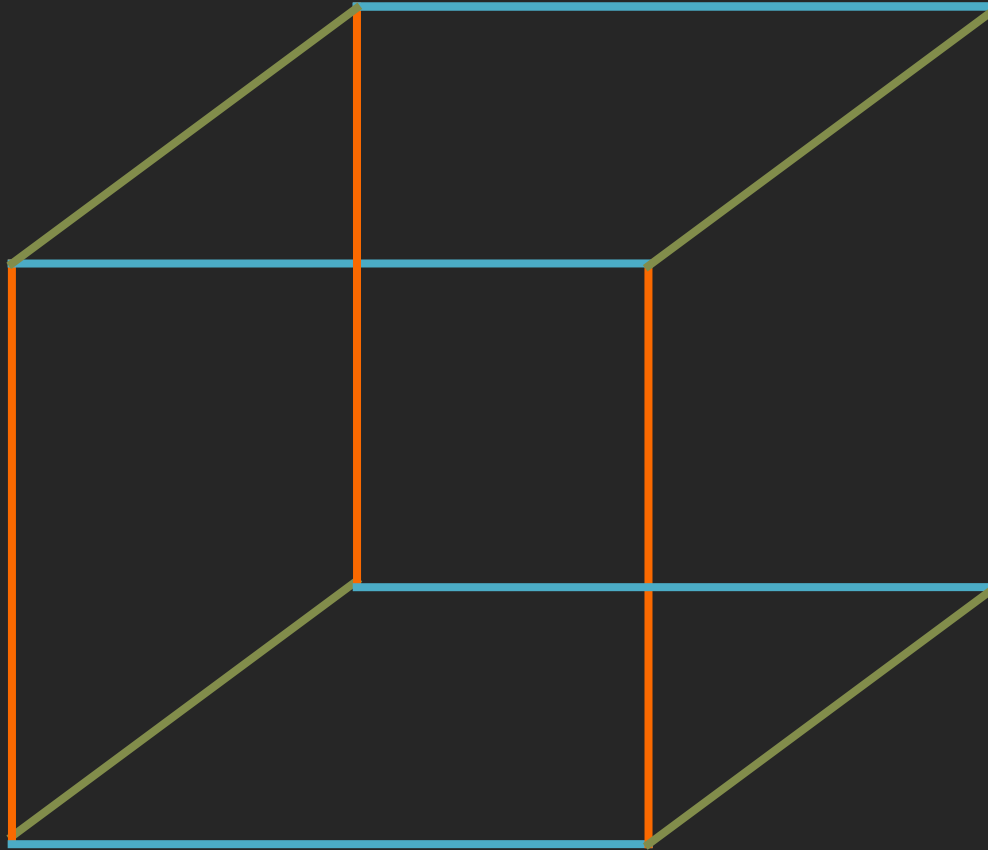


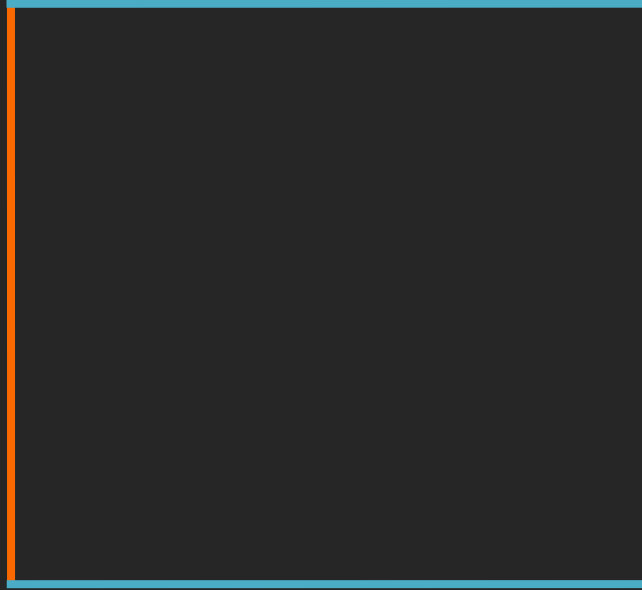
The multidimensional nightmare!



Volume =
length x height x width



Surface =
length x width

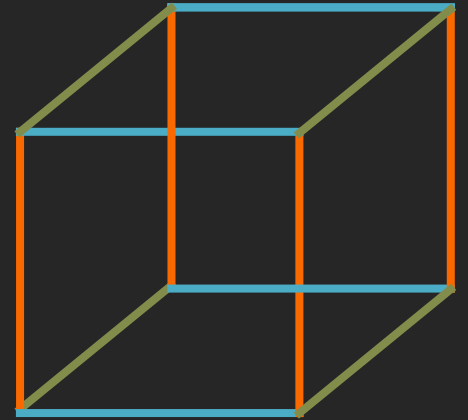


length =
length

Volume =
length x height x width

Surface =
length x height

Length =
length



Renaming dimensions:

Volume =

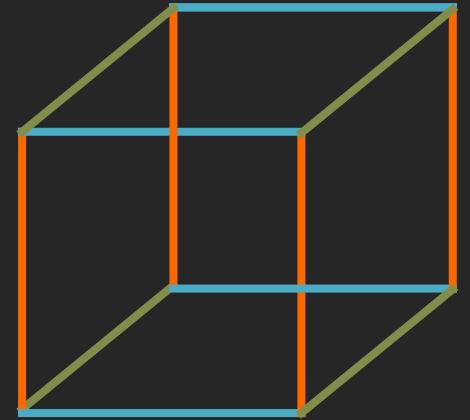
PC1 x PC2 x PC3

Surface =

PC1 x PC2

Length =

PC1



Renaming dimensions:

Volume =

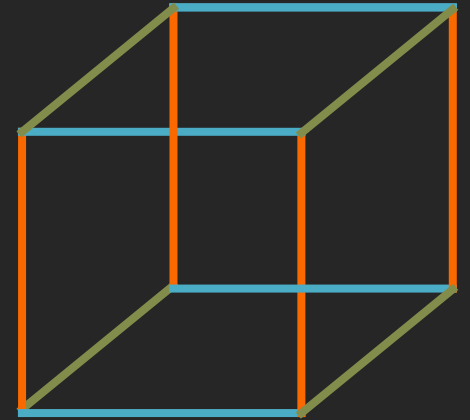
Dim.1 x Dim.2 x Dim.3

Surface =

Dim.1 x Dim.2

Length =

Dim.1



Renaming metrics:

Volume 3D =

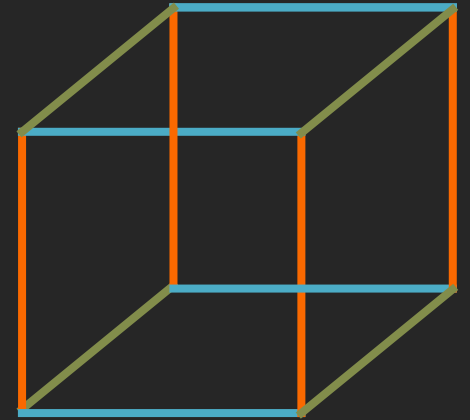
Dim.1 x Dim.2 x Dim.3

Volume 2D =

Dim.1 x Dim.2

Volume 1D =

Dim.1



Adding more dimensions

Volume 4D =

Dim.1 x Dim.2 x Dim.3 x Dim.4

Volume 3D =

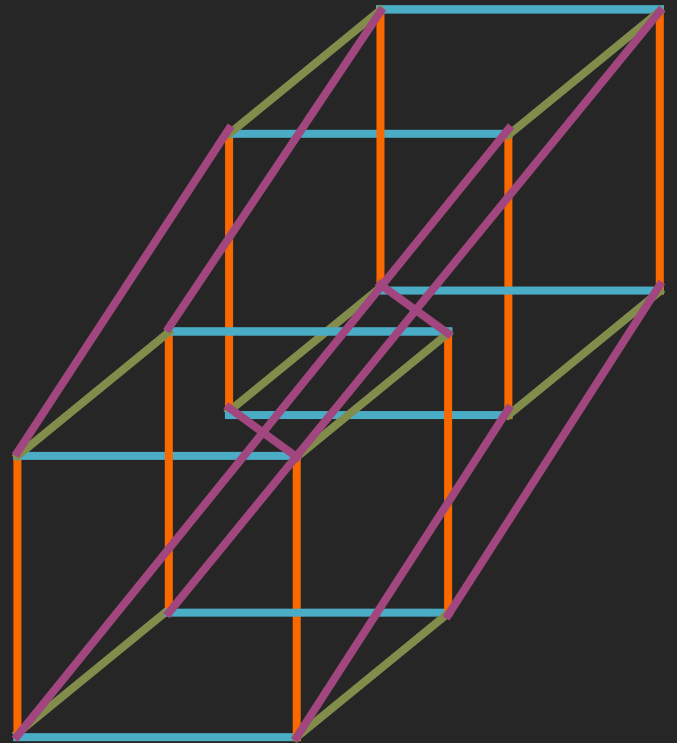
Dim.1 x Dim.2 x Dim.3

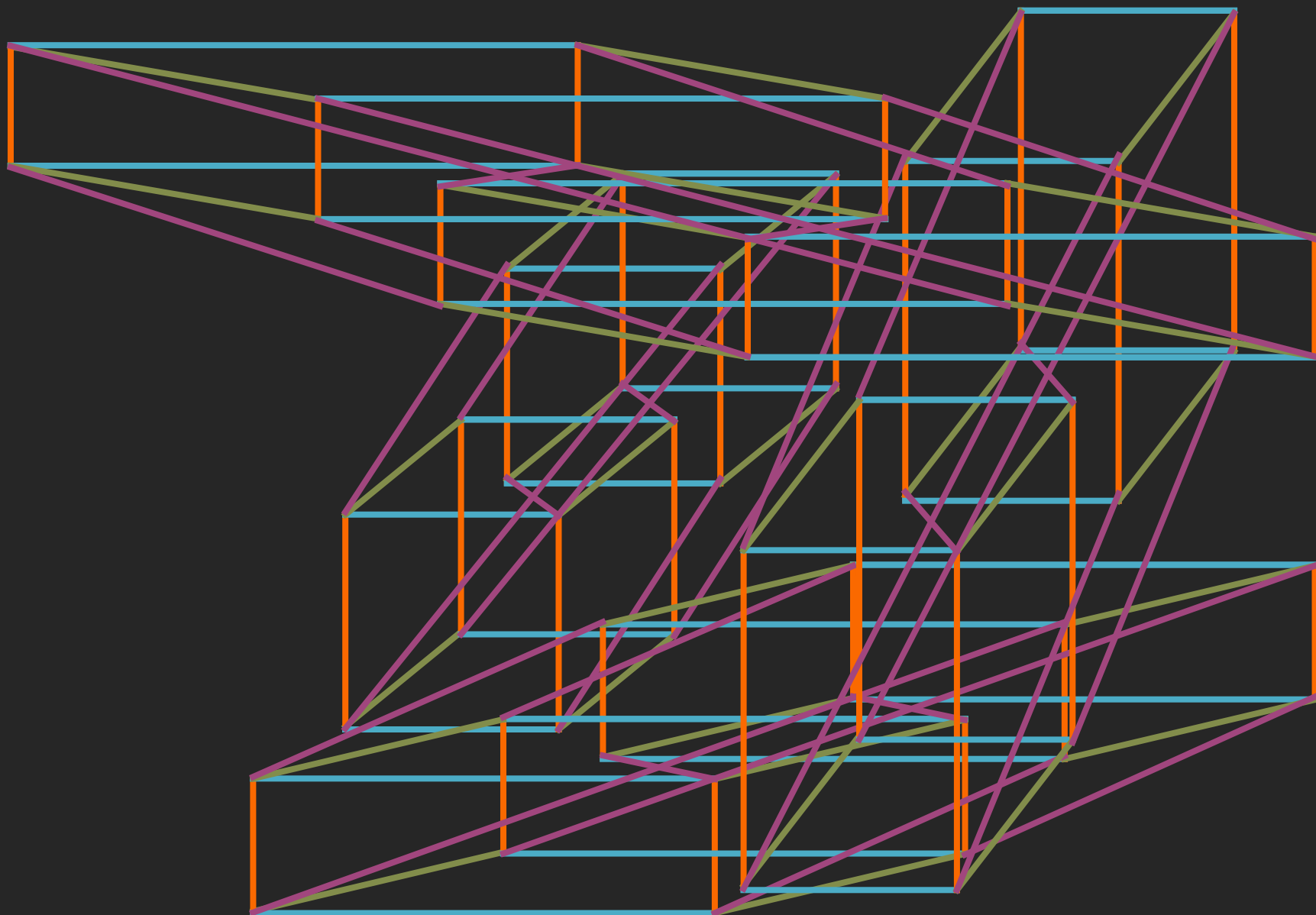
Volume 2D =

Dim.1 x Dim.2

Volume 1D =

Dim.1







R Session Aborted

R encountered a fatal error.

The session was terminated.

[Start New Session](#)

Generalising:

Volume nD =
product of dimensions