Grid User Guide

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1 Square tiles

`rectSquareGrid r c` returns a rectangular grid with `r` rows and `c` columns, using square tiles. The indexing scheme is illustrated in Figure 1.

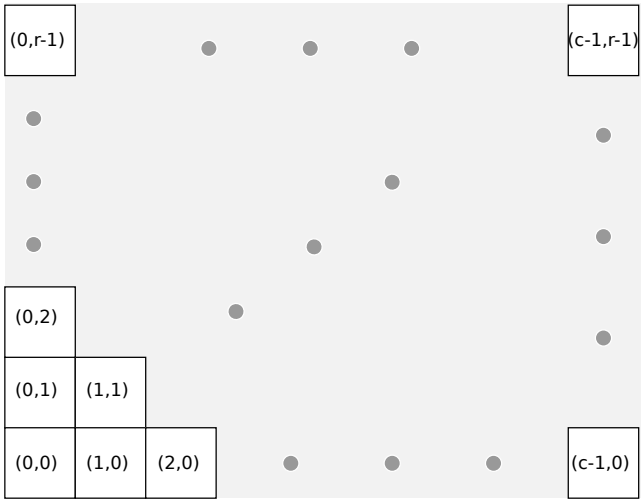

Figure 1: Grid generated by `rectSquareGrid`

`torSquareGrid r c` returns a toroidal grid with `r` rows and `c` columns, using square tiles. The indexing scheme is illustrated in Figure 1.

2 Triangular tiles

`triTriGrid s` returns a triangular grid with sides of length `s`, using triangular tiles. The indexing scheme is illustrated in Figure 2.

`paraTriGrid r c` returns a grid in the shape of a parallelogram with `r` rows and `c` columns, using triangular tiles. The indexing scheme is illustrated in Figure 2.

3 Hexagonal tiles

`hexHexGrid s` returns a grid of hexagonal shape, with sides of length `s`, using hexagonal tiles. The indexing scheme is illustrated in Figure 3.

`paraHexGrid r c` returns a grid in the shape of a parallelogram with `r` rows and `c` columns, using hexagonal tiles. The indexing scheme is illustrated in Figure 3.

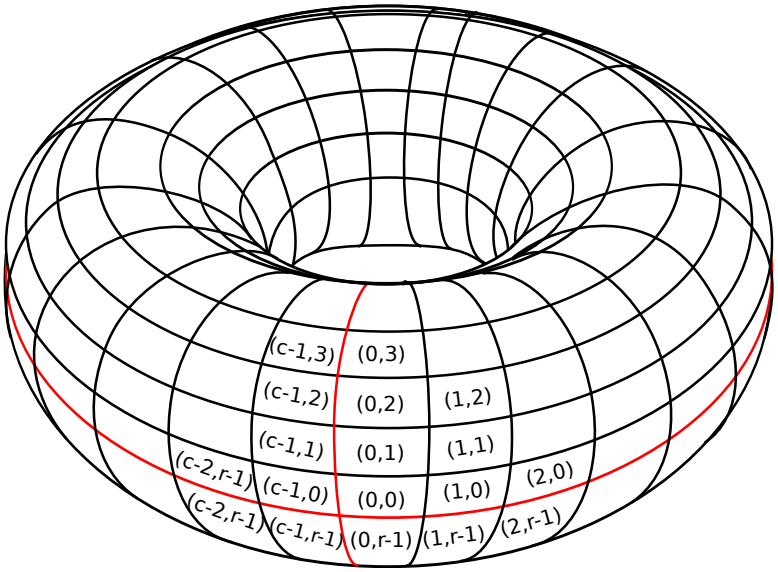

Figure 2: Grid generated by `torSquareGrid`

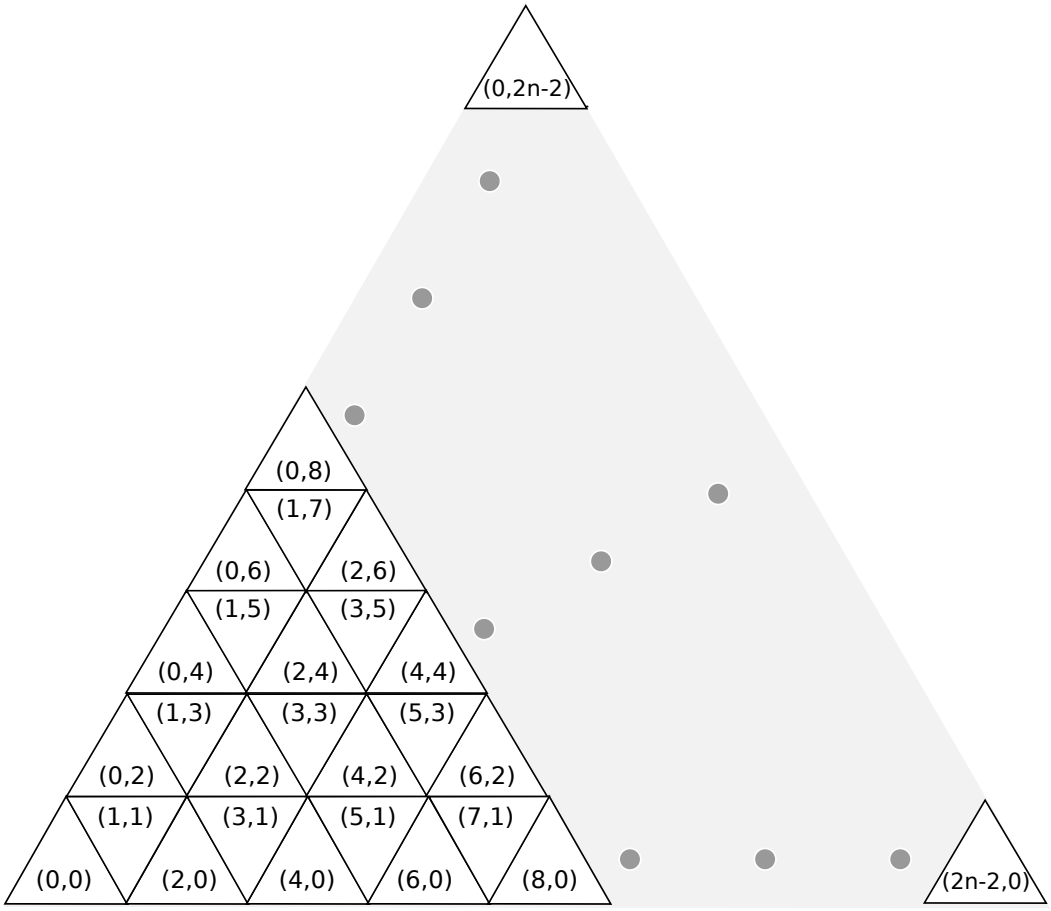

Figure 3: Grid generated by `triTriGrid`

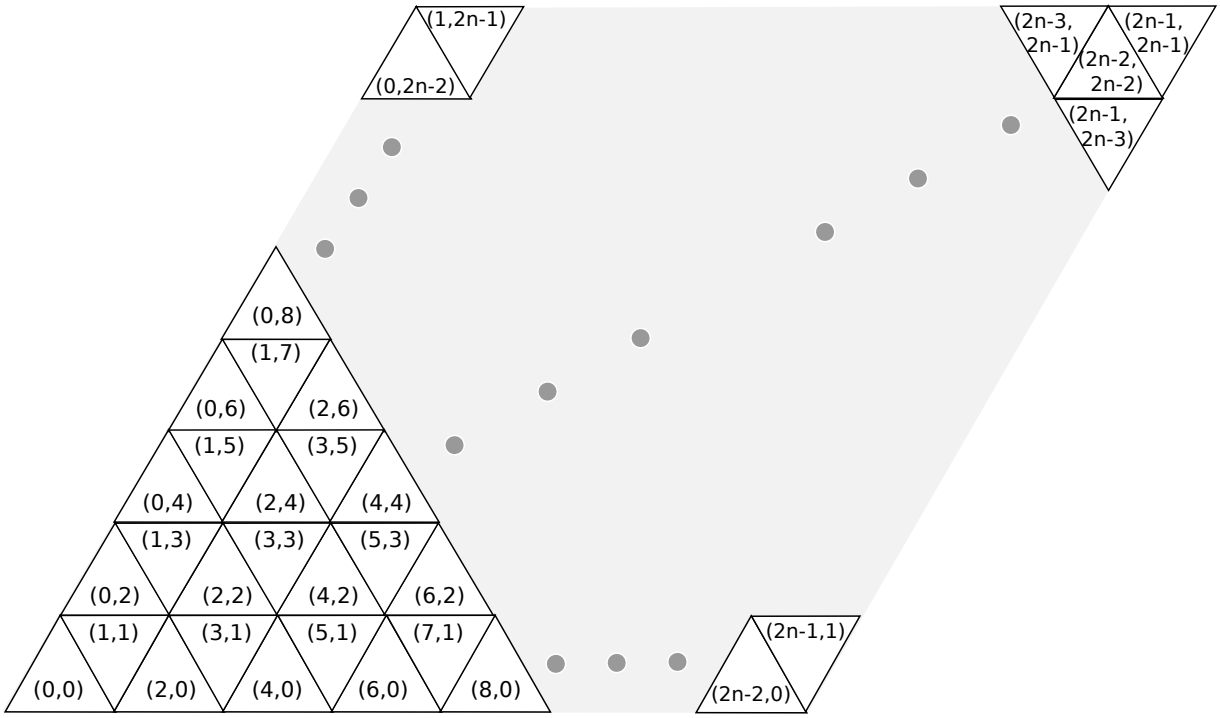

Figure 4: Grid generated by `paraTriGrid`

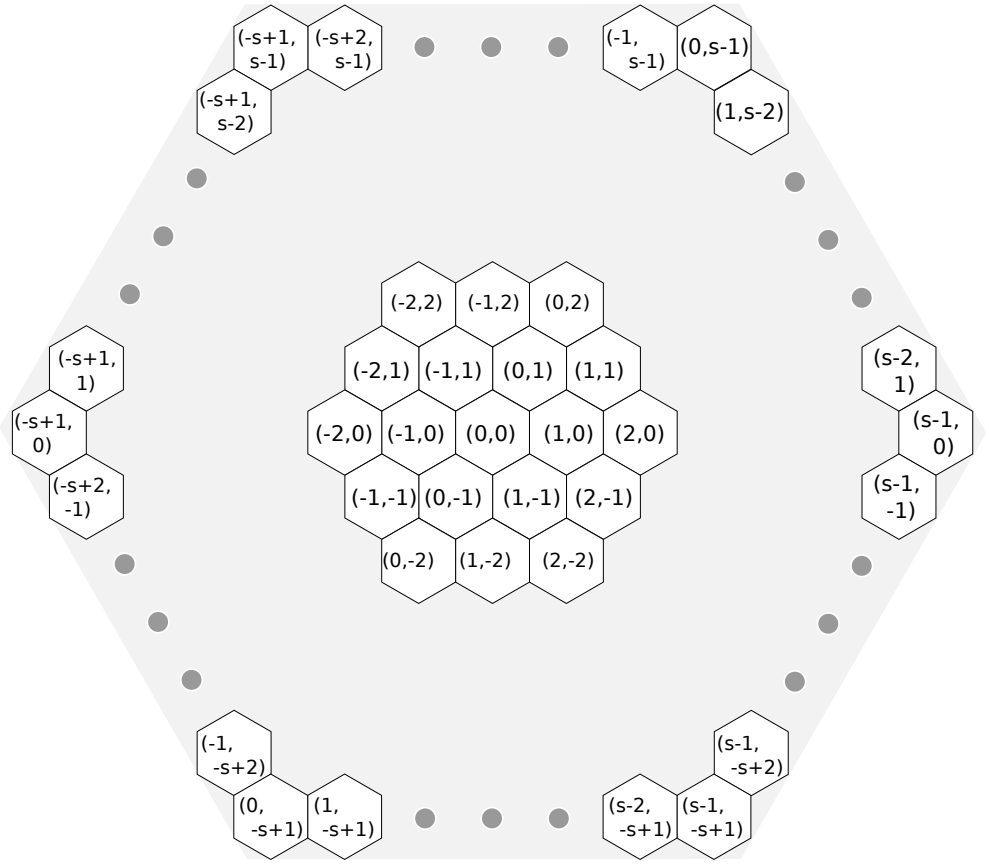

Figure 5: Grid generated by `hexHexGrid`

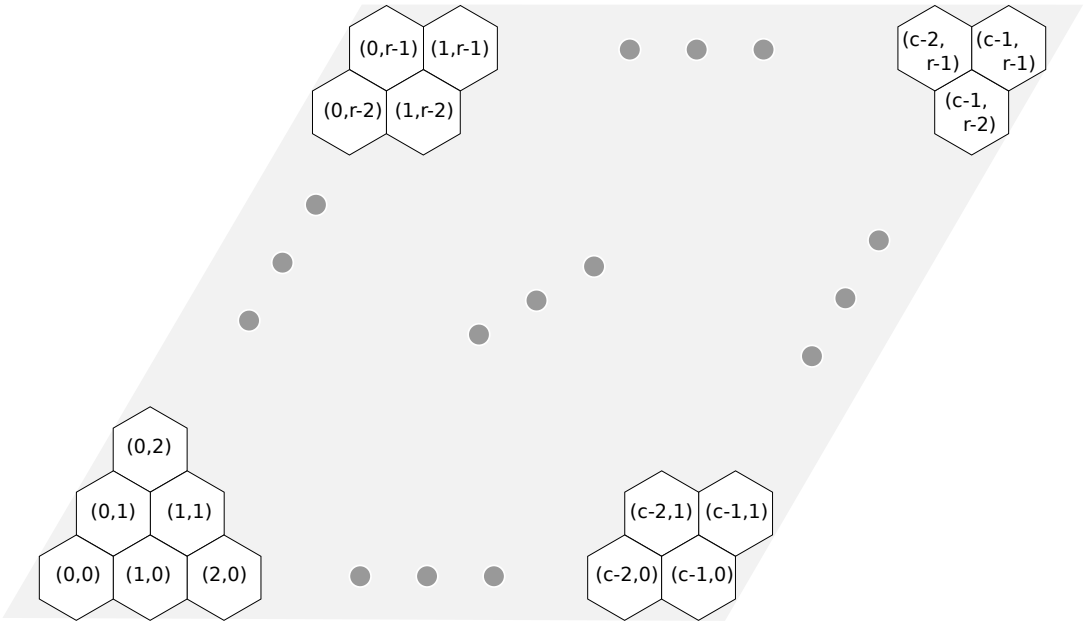

Figure 6: Grid generated by `paraHexGrid`