MATLAB Antenna Toolboxes – Gabriel Faro

* Radar Toolbox
  + <https://www.mathworks.com/help/radar/index.html?s_tid=hc_product_card>
* Phased Array System Toolbox
  + <https://www.mathworks.com/products/phased-array.html>
* Antenna Toolbox
  + <https://www.mathworks.com/products/antenna.html>

Phased Array System Toolbox

* phased.UCA System object creates a *uniform circular array* (UCA). A UCA is formed from identical sensor elements equally spaced around a circle.
* <https://www.mathworks.com/help/phased/ref/phased.uca-system-object.html>

Antenna Toolbox

* The circularArray object creates a circular antenna array. Circular array finds application in direction of arrival (DoA) systems<https://www.mathworks.com/help/antenna/ref/circulararray.html>

Difference between Antenna Toolbox and Phased Array System Toolbox

* Antenna Toolbox antennas provide realistic models of physical antennas. They are designed using method of moments. Phased array antennas represent more idealized antennas that are useful for radar performance analysis and higher level modelling.
* <https://www.mathworks.com/help/phased/ug/using-antenna-toolbox.html>