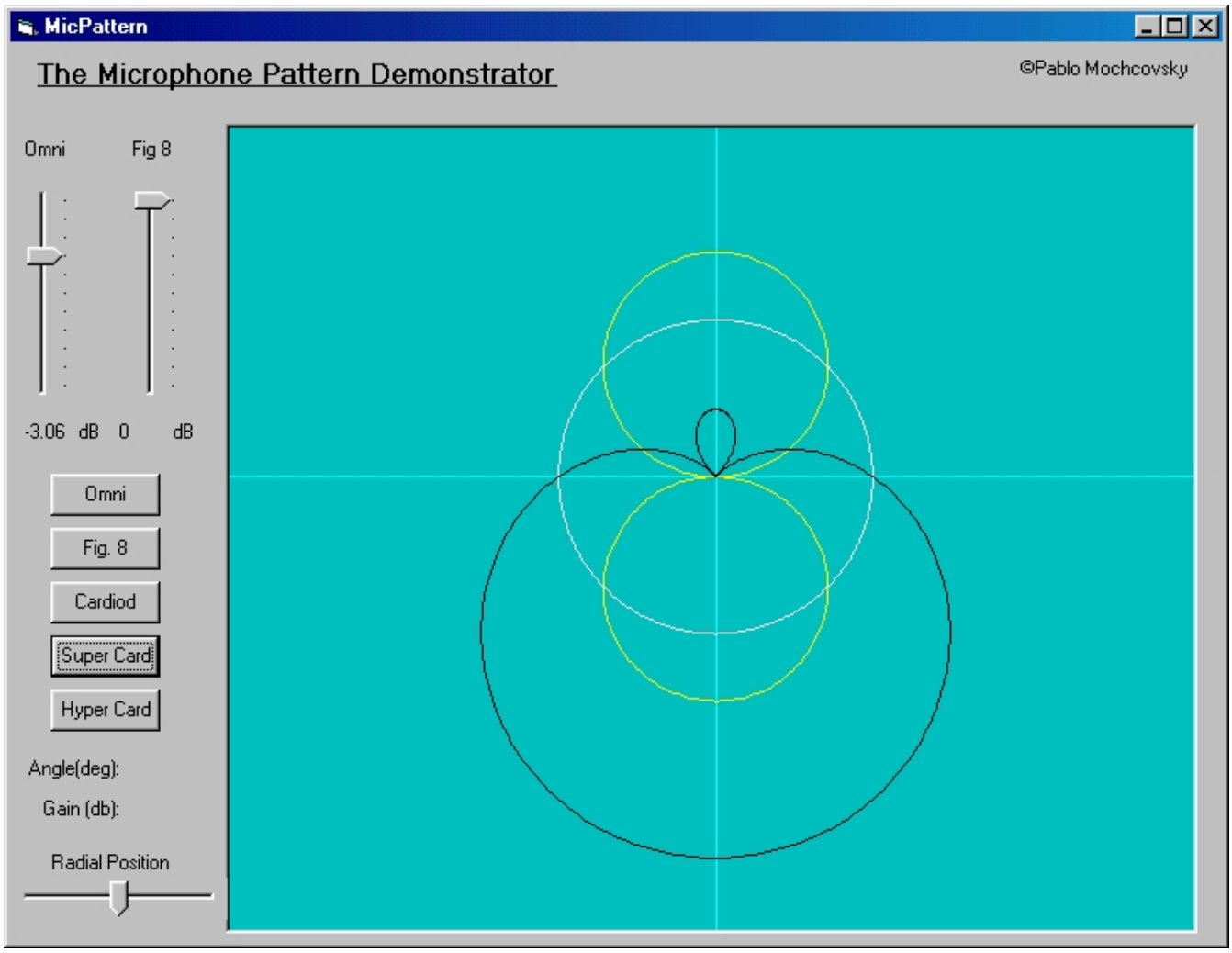
Microphone Pattern Application

The Microphone Pattern application shows how it is possible to obtain all the usual microphone patterns by combining the omni type microphone (pressure mic) with the figure-8 microphone (velocity mic or gradient mic)

The application requires some VB shared libraries.. The full install is provided but it is quite large (1.9MB)

To download the full version, or download the smaller installer. For the smaller installer you will need to have the file Msvbvm60.dll and Mscomctl.ocx.



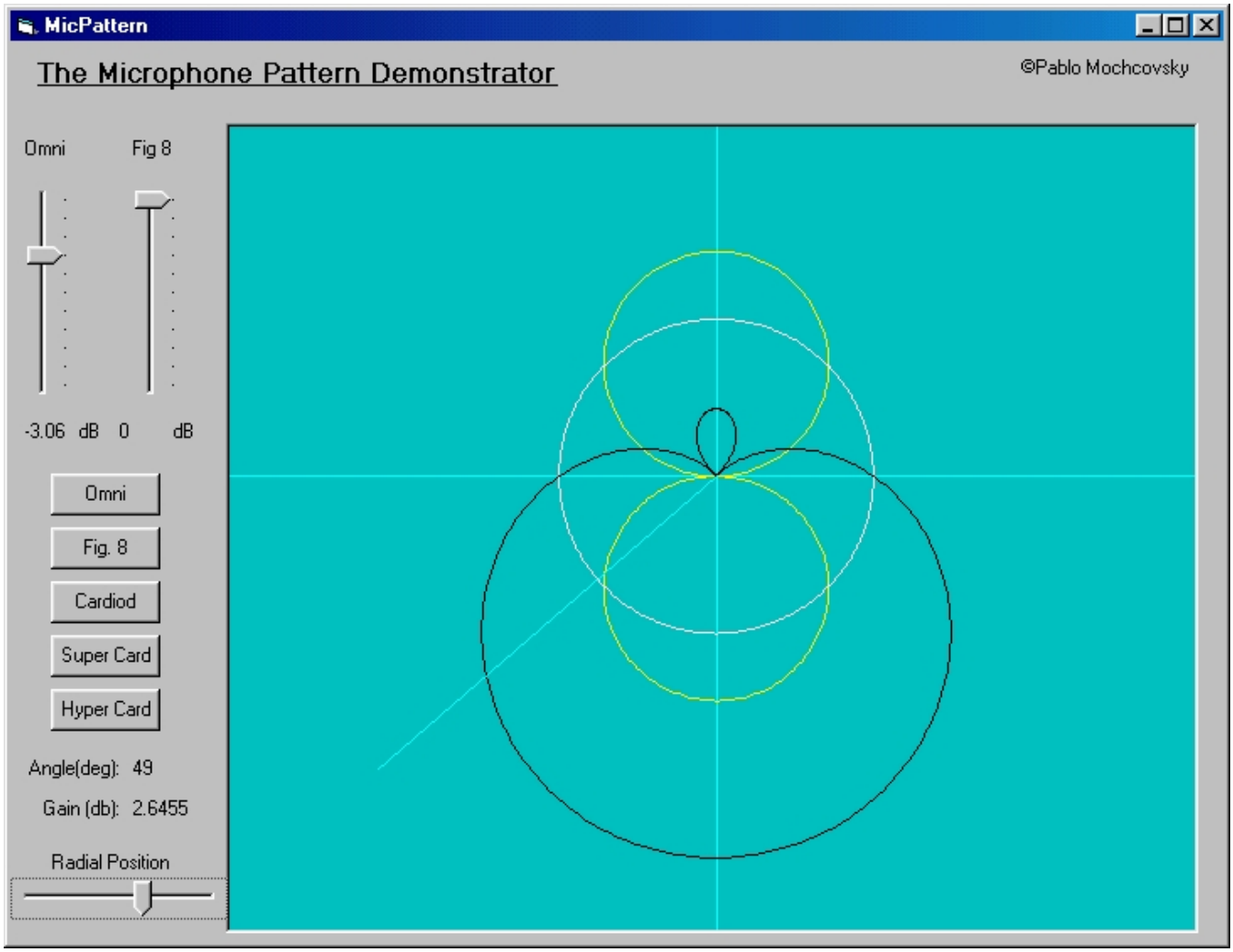
Instructions

The applications graphs the polar pattern of the omni microphone and the figure-8 microphone in while and yellow respectively. The resultant of the combination of the two is plotted in black. Please note that although the resultant is an addition of the gain of each pattern for each radial the back (upper) lobe of the figure-8 microphone produces a signal that is 180deg out of phase with respect to the front.

Move the sliders of each microphone to get the different patterns. Also, the buttons are pre configured values of some well known patterns.

Move the Radial Position Slider to get the value of the gain at a certain radial.

The source code is quite simple, please email me if you are interested in taking a look at it.


MicPattern
The Microphone Pattern Demonstrator
©Pablo Mochcovsky
Omni
Fig 8
-3.06 dB
0 dB
Omni
Fig. 8
Cardiod
Super Card
Hyper Card
Angle(deg): 49
Gain (db): 2.6455
Radial Position