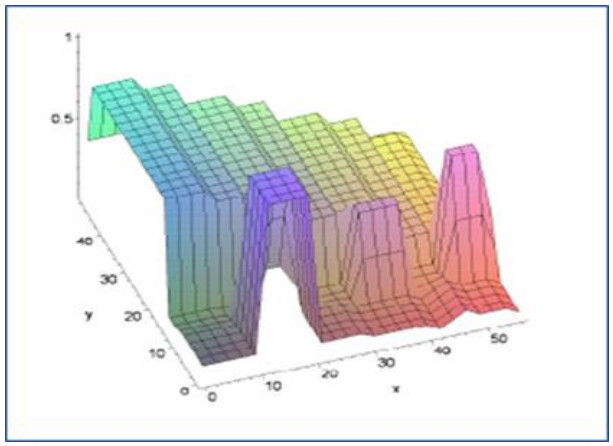
DNAx Technology™ is the nexus of innovation when it comes to image vectorization processing

The holy grail of graphics processing is to provide an interface for real-time raytraced graphics. Image Vectorization methodology now a day is based on *multi-points representation*. This technique requires intense digital processing mainly to better represent regions of the image where different surfaces or solids come together creating new boundaries as part of the representation process for a given complex image.

The current image vectorization method based on DNAx Technology™ will provide a significant performance improvement on the conventional method of rendering 3-D graphics with polygons, and will eliminate some of the critical issues associated with 3-D CAD modeling.

How it Works? DNAx Technology™ refers to a method of mapping digital data to a continuous mathematical domain by means of parameterization of functions. These functions can be used to create continuous approximations of discontinuous piecewise functions, as would be encountered when dealing with digital discrete data sets.

By using this transform, it is now possible for digital discrete data sets to be represented as continuous mathematical functions, thus allowing the tools of Calculus and Analysis to be applied during the processing of the data.



3D Representation of SMPTE Colorbars in one single continuous process.

SMPTE Colorbars, Grayscale

The DNAx Technology™ ability to turn discontinuous data sets into continuous functions allows the advanced methods of functional analysis to be applied to areas previously inaccessible to these tools.

Applications. Turn discontinuous data sets into continuous functions is useful in a number of areas, namely Computer Aided Design (CAD), 3-D spatial object tracking, pattern recognition, 3-D printing, and fingerprint analysis, image signatures to name a few. We believe that applying this knowledge to the area of image and 3-D object vectorization opens up new possibilities of innovation in the fields of image processing and graphics rendering.

Business Opportunities. Pulse Perfect is currently looking for partners to facilitate its growth to the next level. Pulse Perfect holds the exclusive rights to the U.S. DNAx Technology™ patents. For more information, please contact Pulse Perfect at opportunities@pulse-perfect.com. Learn more at www.pulse-perfect.com.