

How we Present the Numbers

In due course, a “technical paper” will be presented for the benefit of the wider community of genetic-genealogists. However, in the first instance, the main priority is a “non-technical paper” which uses plain language and lots of pictures so that it can be more easily understood by the majority.

There are many different ways to display the project results, so we have used three different formats in order to cater for the broad cross section of our membership, as follows:

1. Technical Appendix 1 presents the “raw data” of the test scores in a series of colour-coded numerical tables representing each of the various groups and subgroups.

2. Technical Appendix 2 presents the “processed results” in a series of phylogenetic networks (“blobs and lines”). These are diagrams generated by a sophisticated computer programme (**NETWORK**, kindly

provided by *Fluxus Technology Ltd.* to whom we are very grateful), and essentially convert the results into “family trees” using blobs connected by straight lines. Each blob represents a participant, and the length of each line represents the genetic distance between the linked blobs.

3. Technical Appendix 3 presents the “processed results” in a series of simplified radial charts (“blobs and rings”). Blobs are again used to represent each participant. There is a chart for each group with a central blob representing the Group Modal Value (GMV) surrounded by a series of concentric rings representing increasing genetic distance from the GMV. Each blob is tagged onto the relevant ring based on genetic distance from the GMV and connected to other closely matching blobs. It is a little neater than the phylogenetic network, and the rings make it easier to read the genetic distance from the GMV and other linked blobs.