Appendix A

Triadic Diagram using the SISYPHUS III data by
Klaus Biederman

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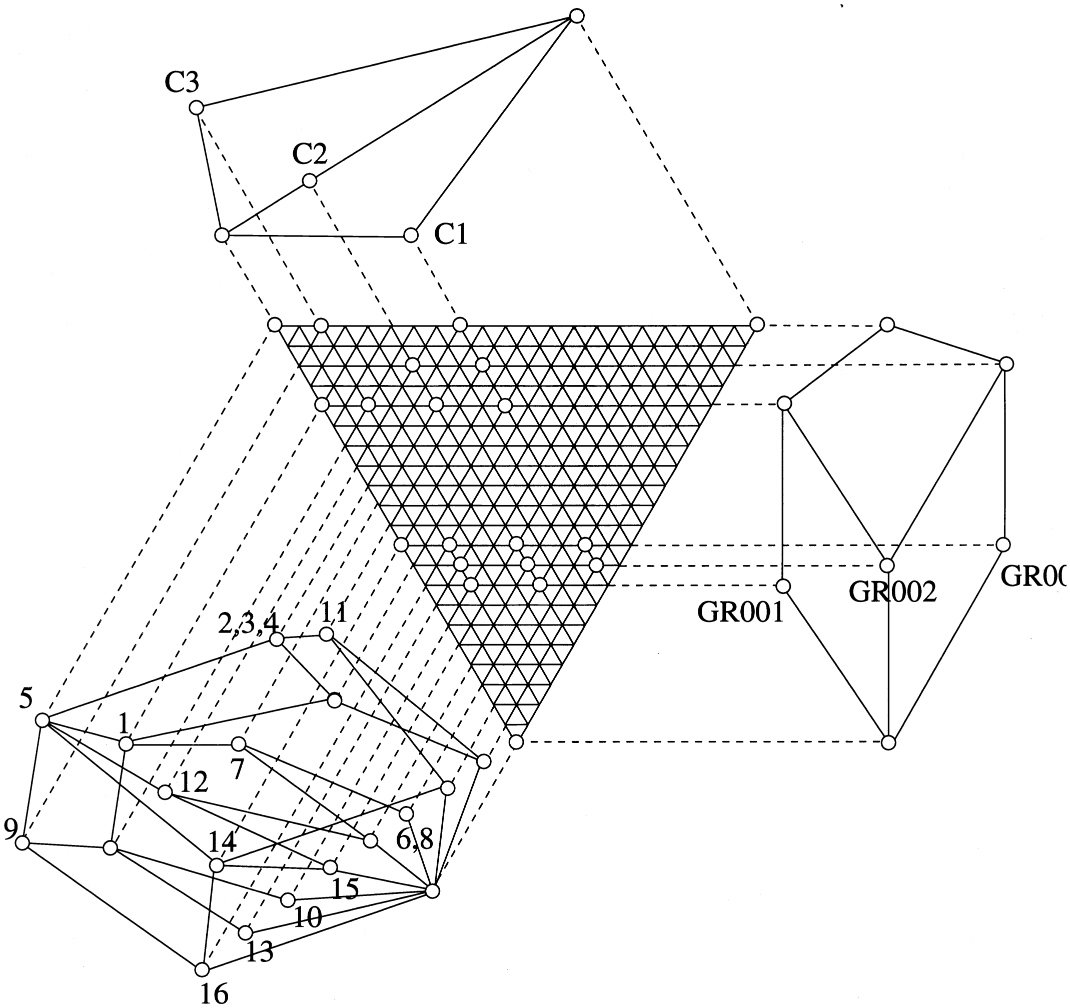

1: Grain Size: Coarse
2: Colour: Leucocratic
3: Olivine: Never
4: Quartz: Always
5: 1=1
6: Quartz: Saturated
7: Olivine: Absent
8: Feldspar: Never
9: Dark Minerals: LT30
10: Feldspar: GT2 3Plagioclase
11: Silicia: GT68
12: Quartz: Oversaturated
13: Feldspar: GT2 3Orthoclase
14: Grain Size: Medium
15: Colour: Light Green
16: Quartz: Present

The above diagram has been developed by Klaus Biederman using the technique described in Biederman (1997). The attributes are listed below the diagram as numbers 1-16. The three viewpoints C1, C2 and C3 are from Card Sorts 1, 2 and 3 from the Sisyphus III KA material. The objects are the rocks Granodiorite - GR000, Granite - GR001 and Microgranite - GR002. The appropriate rows from the KA material were extracted by me and sent to Klaus to see what a triadic representation of this data would look like. The diagram is included here as it offers another visualisation of the knowledge that may be useful for conflict detection and resolution. Currently the automated tool which produced this diagram is limited to handling a combined total of sixteen (16) attributes to cover all objects and viewpoints