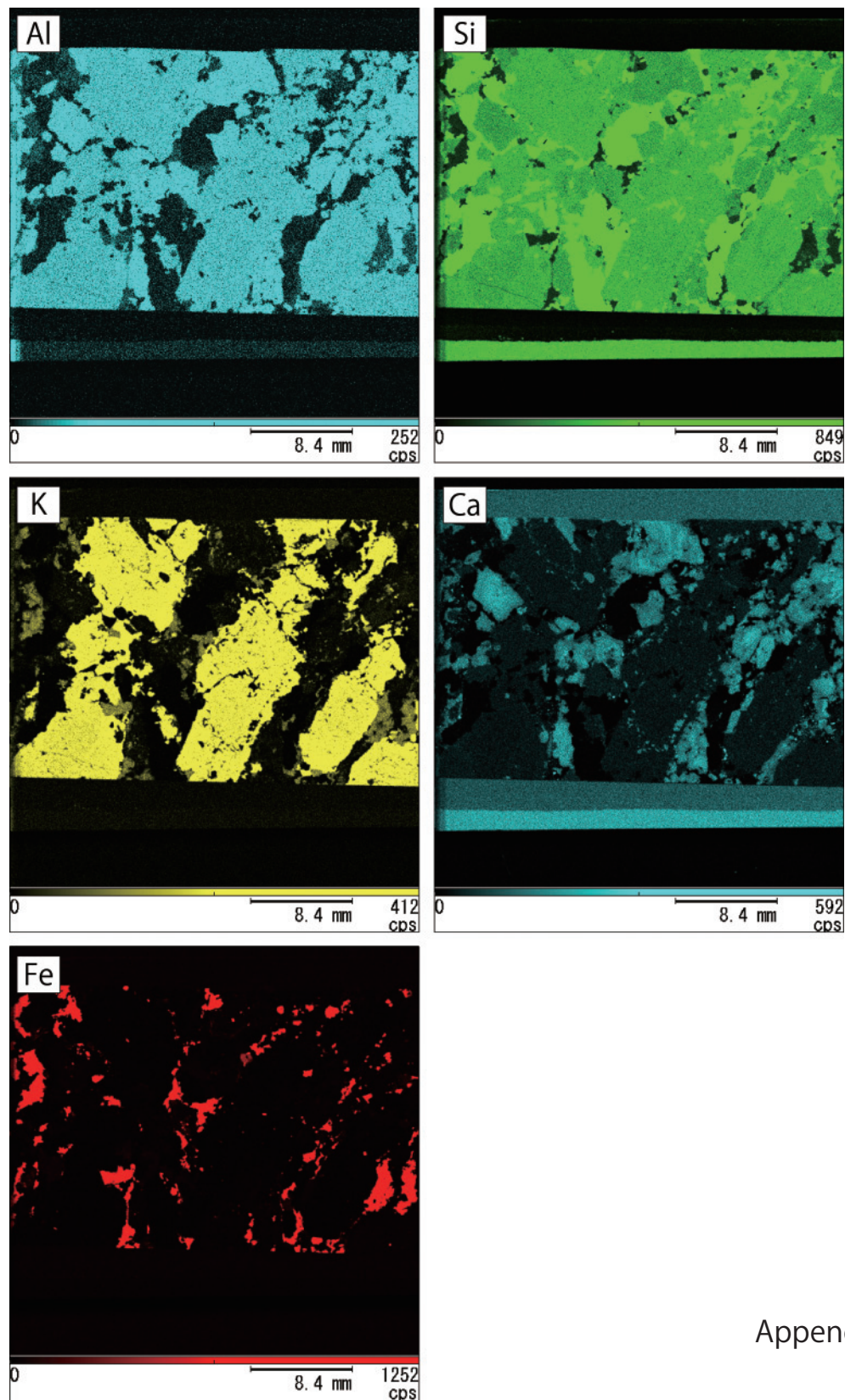
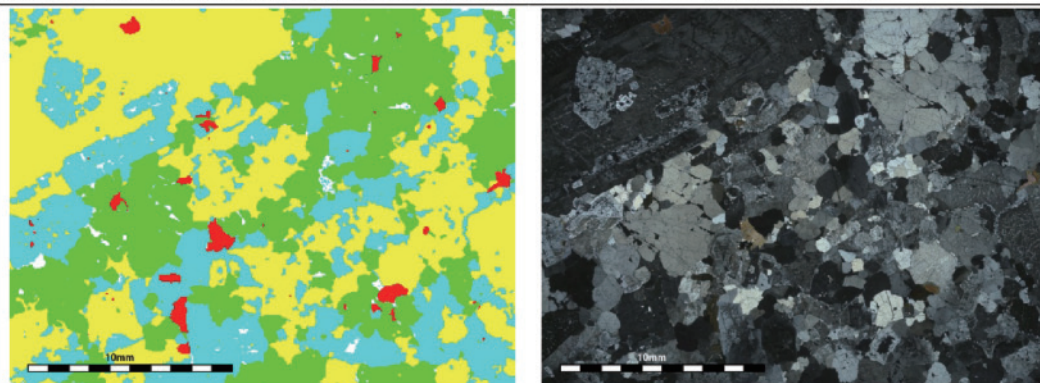


| Item                        | Settings           |
|-----------------------------|--------------------|
| X-ray tube voltage          | 30 kV              |
| electric current            | 1.00 mA            |
| pulse processing time       | P2～P4              |
| transmitted X-ray intensity | 8                  |
| measurement time            | 3600 s             |
| cumulated number            | 18                 |
| resolution                  | 512×512            |
| XGT diameter                | 100 μm             |
| measured element            | Al, Si, K, Ca, Fe, |



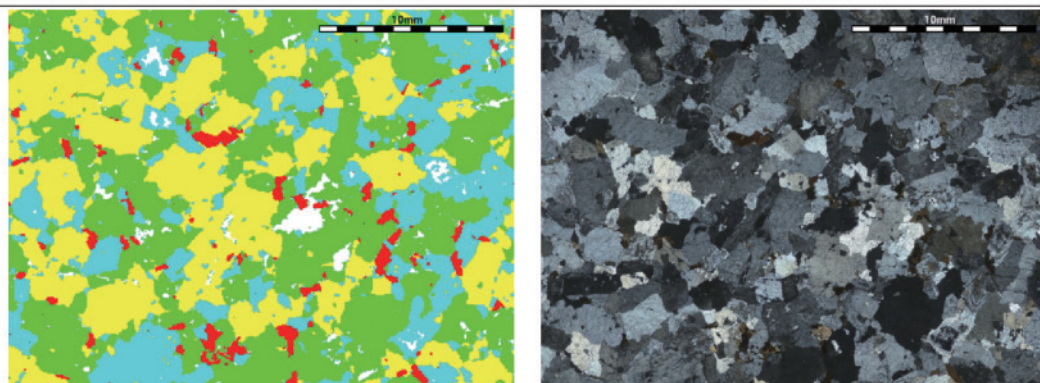
Appendix 2

Sample 1. Biotite adamellite (Naegi-Agematsu Granite; Nakatsugawa, Gifu)



|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 31.59                 | 32.11                            | 0.52       |
| Alkali feldspar | 40.34                 | 40.84                            | 0.50       |
| Plagioclase     | 26.38                 | 25.48                            | 0.90       |
| Biotite         | 1.69                  | 1.57                             | 0.12       |

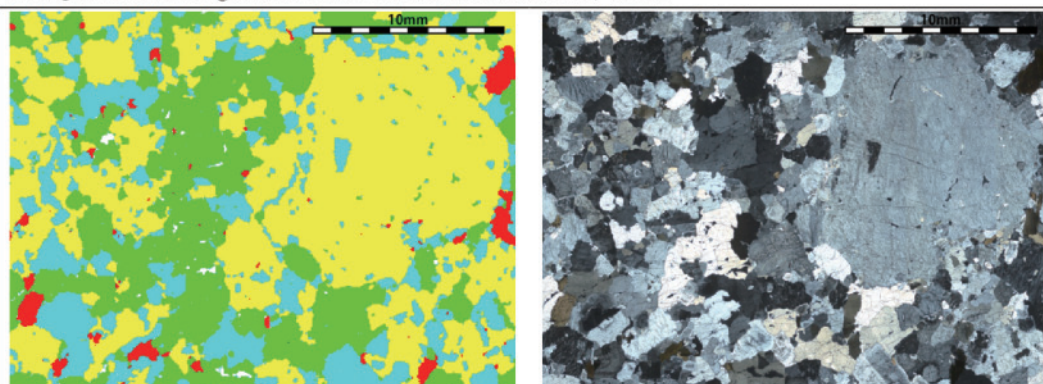
Sample 2. Biotite granite (Naegi-Agematsu Granite; Nakatsugawa, Gifu)



|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 36.34                 | 36.77                            | 0.43       |
| Alkali feldspar | 27.69                 | 28.67                            | 0.98       |
| Plagioclase     | 31.09                 | 30.27                            | 0.82       |
| Biotite         | 4.88                  | 4.29                             | 0.59       |

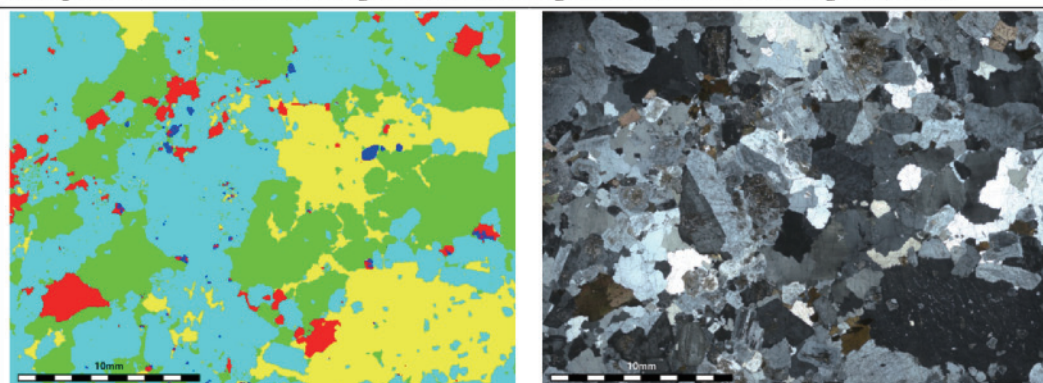


Sample 3. Biotite granite (Toki Granite; Mizunami, Gifu)



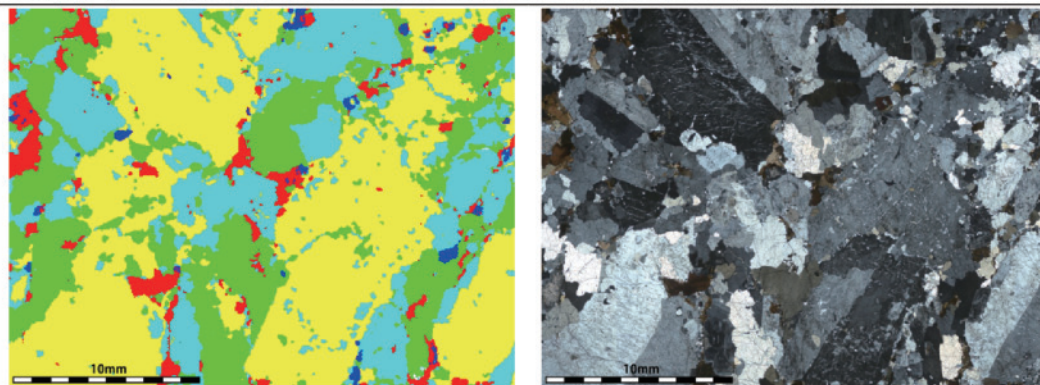
|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 33.34                 | 33.93                            | 0.59       |
| Alkali feldspar | 44.41                 | 45.08                            | 0.67       |
| Plagioclase     | 19.69                 | 18.77                            | 0.92       |
| Biotite         | 2.57                  | 2.22                             | 0.35       |

Sample 4. Hornblende-biotite granodiorite (Inagawa Granite; Nakatsugawa, Gifu)



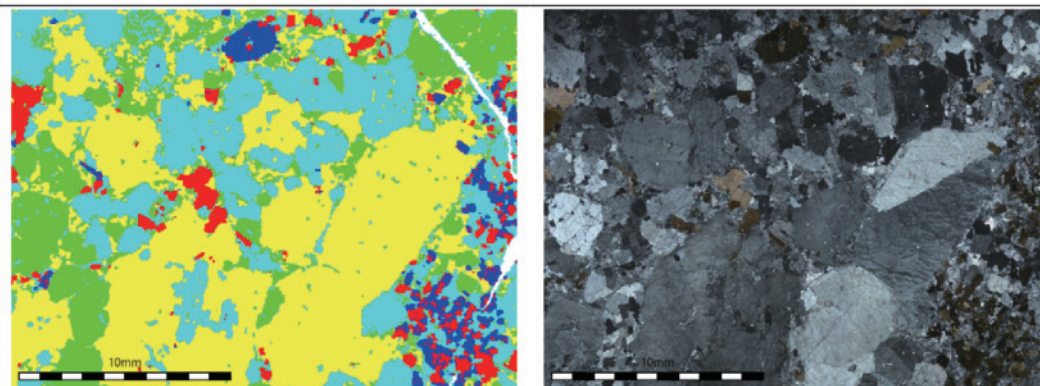
|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 29.40                 | 29.88                            | 0.48       |
| Alkali feldspar | 18.86                 | 18.68                            | 0.18       |
| Plagioclase     | 46.79                 | 46.71                            | 0.08       |
| Biotite         | 4.38                  | 4.33                             | 0.06       |
| Hornblende      | 0.57                  | 0.41                             | 0.16       |

Sample 5. Hornblende-biotite adamellite (Inagawa Granite; Nagiso, Nagano)



|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 22.66                 | 22.92                            | 0.26       |
| Alkali feldspar | 44.76                 | 44.64                            | 0.12       |
| Plagioclase     | 25.43                 | 25.91                            | 0.48       |
| Biotite         | 6.23                  | 5.64                             | 0.59       |
| Hornblende      | 0.92                  | 0.89                             | 0.03       |

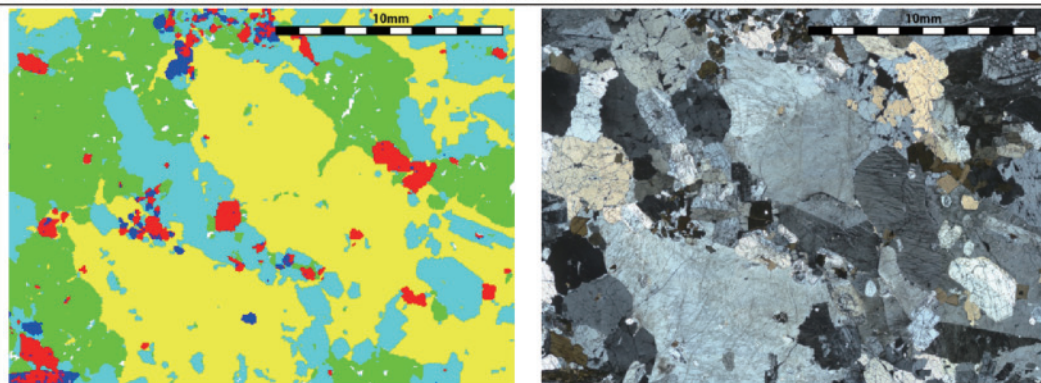
Sample 6. Hornblende-biotite adamellite (Inagawa Granite; Mizunami, Gifu)



|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 17.80                 | 17.87                            | 0.06       |
| Alkali feldspar | 38.58                 | 38.20                            | 0.37       |
| Plagioclase     | 33.32                 | 34.43                            | 1.12       |
| Biotite         | 6.17                  | 5.26                             | 0.91       |
| Hornblende      | 4.13                  | 4.24                             | 0.11       |

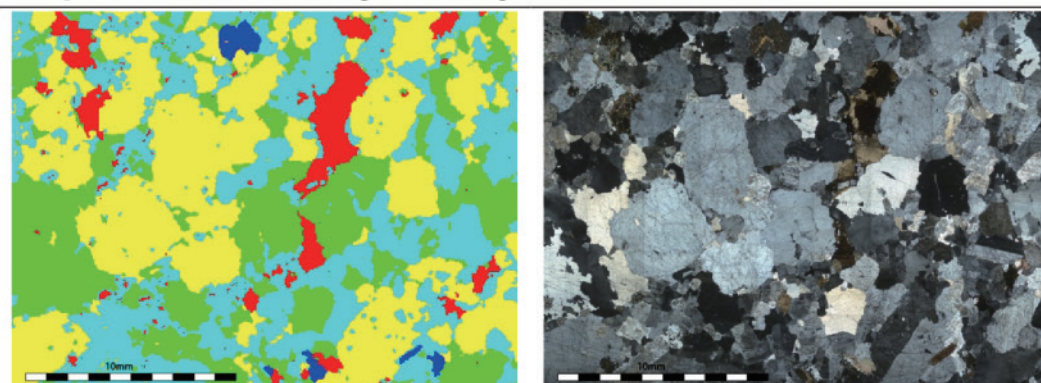


Sample 7. Hornblende-biotite granite (Inagawa Granite; Mizunami, Gifu)



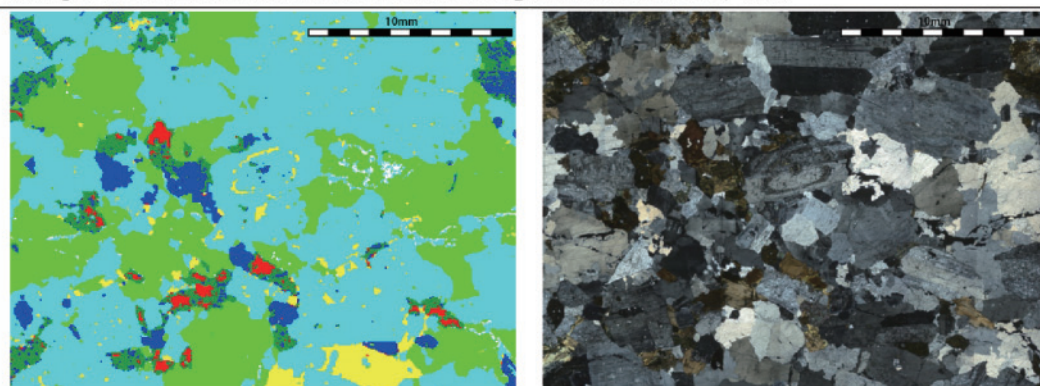
|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 26.52                 | 26.07                            | 0.45       |
| Alkali feldspar | 45.23                 | 44.95                            | 0.28       |
| Plagioclase     | 22.22                 | 22.28                            | 0.05       |
| Biotite         | 4.65                  | 5.03                             | 0.38       |
| Hornblende      | 1.40                  | 1.59                             | 0.19       |
| Allanite        | 0.00                  | 0.08                             | 0.08       |

Sample 8. Hornblende-biotite granite (Inagawa Granite; Ena, Gifu)



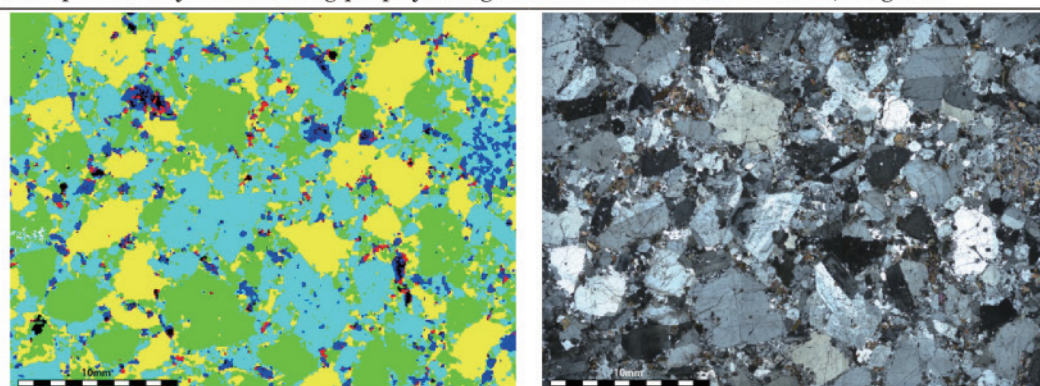
|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 22.42                 | 21.85                            | 0.57       |
| Alkali feldspar | 38.18                 | 39.01                            | 0.83       |
| Plagioclase     | 32.19                 | 32.62                            | 0.43       |
| Biotite         | 6.42                  | 5.60                             | 0.82       |
| Hornblende      | 0.78                  | 0.44                             | 0.34       |
| Allanite        | 0.00                  | 0.47                             | 0.47       |

Sample 9. Biotite-hornblende tonalite (Inagawa Granite; Ena, Gifu)



|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 30.86                 | 30.92                            | 0.06       |
| Alkali feldspar | 3.76                  | 2.35                             | 1.40       |
| Plagioclase     | 52.71                 | 54.74                            | 2.03       |
| Biotite         | 2.99                  | 4.57                             | 1.57       |
| Hornblende      | 3.24                  | 3.80                             | 0.56       |
| Chlorite        | 6.44                  | 3.62                             | 2.82       |

Sample 10. Fayalite-bearing porphyritic granite (Aoki Granite; Omachi, Nagano)



|                 | Our method<br>(vol.%) | Point counting<br>method (vol.%) | Difference |
|-----------------|-----------------------|----------------------------------|------------|
| Quartz          | 28.96                 | 28.81                            | 0.15       |
| Alkali feldspar | 28.43                 | 26.98                            | 1.45       |
| Plagioclase     | 33.19                 | 35.26                            | 2.07       |
| Biotite         | 2.75                  | 2.66                             | 0.09       |
| Hornblende      | 5.62                  | 4.38                             | 1.24       |
| Clinopyroxene   | 0.00                  | 0.43                             | 0.43       |
| Orthopyroxene   | 1.05                  | 0.58                             | 0.47       |
| Olivine         | 0.00                  | 0.90                             | 0.90       |