**Appendix A – Supporting derivation for Jacobians**

|  |  |
| --- | --- |
|  | (A.1) |
|  | (A.2) |
|  | (A.3) |
|  | (A.4) |
|  | (A.5) |
|  | (A.6) |
|  | (A.7) |
|  | (A.8) |
|  | (A.9) |
|  | (A.10) |
|  | (A.11) |
|  | (A.12) |

All solutions for equations A.2, A.4, A.10, A.12 all are of the generic form:

All solutions for equations A.1, A.3, A.9, A.11 all are of the generic form:

All solutions for equations A5 through A8 all are of the generic form:

The rest of the math was done by hand, substituting the parameters (a,b,c) and simplifying:

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