$$\begin{aligned}(a+b)^3 &= (a+b)(a+b)^2 && (1)\\ &= (a+b)(a^2+2ab+b^2) && (2)\\ &= a^3+3a^2b+3ab^2+b^3 && (3)\end{aligned}$$

$$\begin{aligned}x^2+y^2 &= 1 && (4)\\ x &= \sqrt{1-y^2} && (5)\end{aligned}$$

This example has two column-pairs.

$$\begin{aligned}\text{Compare } x^2+y^2 &= 1 & x^3+y^3 &= 1 && (6)\\ x &= \sqrt{1-y^2} & x &= \sqrt[3]{1-y^3} && (7)\end{aligned}$$

This example has three column-pairs.

$$\begin{aligned}x &= y & X &= Y & a &= b+c && (8)\\ x' &= y' & X' &= Y' & a' &= b && (9)\\ x+x' &= y+y' & X+X' &= Y+Y' & a'b &= c'b && (10)\end{aligned}$$

This example has two column-pairs.

$$\begin{aligned}\text{Compare } x^2+y^2 &= 1 & x^3+y^3 &= 1 && (11)\\ x &= \sqrt{1-y^2} & x &= \sqrt[3]{1-y^3} && (12)\end{aligned}$$

This example has three column-pairs.

$$\begin{aligned}x &= y & X &= Y & a &= b+c && (13)\\ x' &= y' & X' &= Y' & a' &= b && (14)\\ x+x' &= y+y' & X+X' &= Y+Y' & a'b &= c'b && (15)\end{aligned}$$

This example has two column-pairs.

$$\begin{aligned}\text{Compare } x^2+y^2 &= 1 & x^3+y^3 &= 1 && (16)\\ x &= \sqrt{1-y^2} & x &= \sqrt[3]{1-y^3} && (17)\end{aligned}$$

This example has three column-pairs.

$$\begin{aligned}x &= y & X &= Y & a &= b+c && (18)\\ x' &= y' & X' &= Y' & a' &= b && (19)\\ x+x' &= y+y' & X+X' &= Y+Y' & a'b &= c'b && (20)\end{aligned}$$

$$\begin{aligned}x &= y && \text{by hypothesis} && (21)\\ x' &= y' && \text{by definition} && (22)\\ x+x' &= y+y' && \text{by Axiom 1} && (23)\end{aligned}$$

$$\begin{aligned} x^2+y^2 &= 1 \\ x &= \sqrt{1-y^2} \\ \text{and also } y &= \sqrt{1-x^2} \end{aligned} \qquad \begin{aligned} (a+b)^2 &= a^2+2ab+b^2 \\ (a+b)\cdot(a-b) &= a^2-b^2 \end{aligned} \tag{24}$$

$$\begin{aligned} x^2+y^2 &= 1 \\ x &= \sqrt{1-y^2} \\ \text{and also } y &= \sqrt{1-x^2} \end{aligned} \qquad \begin{aligned} (a+b)^2 &= a^2+2ab+b^2 \\ (a+b)\cdot(a-b) &= a^2-b^2 \end{aligned} \tag{25}$$

$$\left.\begin{aligned} B' &= -\partial \times E \\ E' &= \partial \times B - 4\pi j \end{aligned}\right\} \quad \text{Maxwell's equations}$$

$$\begin{aligned} V_j &= v_j & X_i &= x_i - q_i x_j & &= u_j + \sum_{i\neq j} q_i \\ V_i &= v_i - q_i v_j & X_j &= x_j & U_i &= u_i \end{aligned} \tag{26}$$

$$A_1 = N_0(\lambda;\Omega') - \phi(\lambda;\Omega') \tag{27}$$

$$A_2 = \phi(\lambda;\Omega')\phi(\lambda;\Omega) \tag{28}$$

and finally

$$A_3 = \mathcal{N}(\lambda;\omega) \tag{29}$$