

Changing Unsymmetrical form to Symmetrical form.

The unsymmetrical form of a line $ax + by + cz + d = 0, a'x + b'y + c'z + d' = 0$

Can be changed to symmetrical form as follows :
$$\frac{x - \frac{bd' - b'd}{ab' - a'b}}{bc' - b'c} = \frac{y - \frac{da' - d'a}{ab' - a'b}}{ca' - c'a} = \frac{z}{ab' - a'b}$$