$$\frac{(1-\eta_{1}\xi)}{\eta_{1}(1-\eta_{2})} = 1 + (1-\eta_{1})\xi$$

$$\frac{\eta_{2}(1-\eta_{1})}{\eta_{1}(1-\eta_{2})} = 1 + (1-\eta_{1})\xi$$

$$\frac{\eta_{2}(1-\eta_{1})}{\eta_{1}(1-\eta_{2})} - 1 = (1-\eta_{1}) + \frac{\eta_{2}(1-\eta_{1})}{1-\eta_{2}} \xi$$

$$\frac{\eta_{1}(1-\eta_{2})}{\eta_{1}(1-\eta_{2})} = \frac{(1-\eta_{1})(1-\eta_{2}) + \eta_{2}(1-\eta_{1})}{1-\eta_{2}} \xi$$

$$\frac{\eta_{2}-\eta_{1}}{\eta_{1}(1-\eta_{2})} = \frac{1-\eta_{1}-\eta_{2}+\eta_{1}\eta_{2}+\eta_{2}-\eta_{1}\eta_{2}}{1-\eta_{2}} \xi$$

$$\frac{\eta_{2}-\eta_{1}}{\eta_{1}(1-\eta_{2})} = \xi$$

$$\frac{\eta_{2}-\eta_{1}}{\eta_{1}(1-\eta_{1})} = \xi$$

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