Magnification Calculation for Binary Lens

Define equation for magnification by assigning the equations: partial zeta with respect to conjugate of z, and the determinant of the Jacobian.

$$\begin{split} & \text{dzeta} = (\text{m} - \text{dm}) \ / \ ((\text{Conjugate}[\textbf{z}1] - \text{Conjugate}[\textbf{z}]) \ ^2) + (\text{m} + \text{dm}) \ / \ ((\text{Conjugate}[\textbf{z}2] - \text{Conjugate}[\textbf{z}]) \ ^2) \\ & \text{detJ} = \text{Refine}[\text{Simplify}[\textbf{1} - \text{dzeta} * \text{Conjugate}[\text{dzeta}]], \ \{\textbf{z1}, \textbf{z2}, \textbf{m}, \text{dm}\} \in \text{Reals}] \\ & \frac{-\text{dm} + \text{m}}{\left(-\text{Conjugate}[\textbf{z}] + \text{Conjugate}[\textbf{z}]\right)^2} + \frac{\text{dm} + \text{m}}{\left(-\text{Conjugate}[\textbf{z}] + \text{Conjugate}[\textbf{z}]\right)^2} \\ & 1 - \left(\frac{-\text{dm} + \text{m}}{\left(\textbf{z} - \textbf{z1}\right)^2} + \frac{\text{dm} + \text{m}}{\left(\textbf{z} - \textbf{z2}\right)^2}\right) \left(\frac{-\text{dm} + \text{m}}{\left(-\text{z1} + \text{Conjugate}[\textbf{z}]\right)^2} + \frac{\text{dm} + \text{m}}{\left(-\text{z2} + \text{Conjugate}[\textbf{z}]\right)^2} \right) \end{aligned}$$