

$$\pi^{-\frac{s}{2}} f(\tfrac{1}{2}s - 1) \zeta(s) = \pi^{-\frac{1}{2} - 1/2} f(-\tfrac{1}{2}s - \tfrac{1}{2}) \zeta(1 - s)$$

implies

$$f(-\tfrac{3}{4} + ai) \zeta(\tfrac{1}{2} + 2ai) = \pi^{2ai} f(-\tfrac{3}{4} - ai) \zeta(\tfrac{1}{2} - 2ai)$$