

$$z = \frac{1}{a+bi} + \frac{1}{a-bi} = \frac{a-bi}{a^2+b^2} + \frac{a+bi}{a^2+b^2} =$$
$$= \frac{2a}{a^2+b^2} \quad \text{reellt s\u00e5} \quad \operatorname{Im}(z) = 0$$

(under f\u00f6rutsettning att a, b reella).