Newton’s method is a well-known process for locating roots of a function $f$ using the iterative formula $z_{n+1} = z_n - \frac{f(z_n)}{f'(z_n)}$. The associated function $F(z) = z - \frac{f(z)}{f'(z)}$ is the Newton map for $f$.

We will discuss the iteration of Newton maps for various classes of rational and trigonometric functions. (Received September 17, 2019)