Abstract
We prove an analogue of Bloch’s theorem for multifunctions of the form
\[ F(z) = \{ w \in \mathbb{C} : w^n + a_1(z)w^{n-1} + \cdots + a_{n-1}(z)w + a_n(z) = 0 \}, \]
where \( a_1, \ldots, a_n \) are holomorphic functions. We give an example to show that the corresponding ‘Landau constant’ is no longer a constant, but a function of the diameter of \( F(0) \).