

| Order, p | Interval of Absolute Stability |
|------------|--------------------------------|
| 1 | $(-2,0)$ |
| 2 | $(-2,0)$ |
| 3 | $(-2.51,0)$ |
| 4 | $(-2.78,0)$ |

Table 3.2.3: Interval of absolute stability for p -stage explicit Runge-Kutta methods of order $p = 1, 2, 3, 4$.

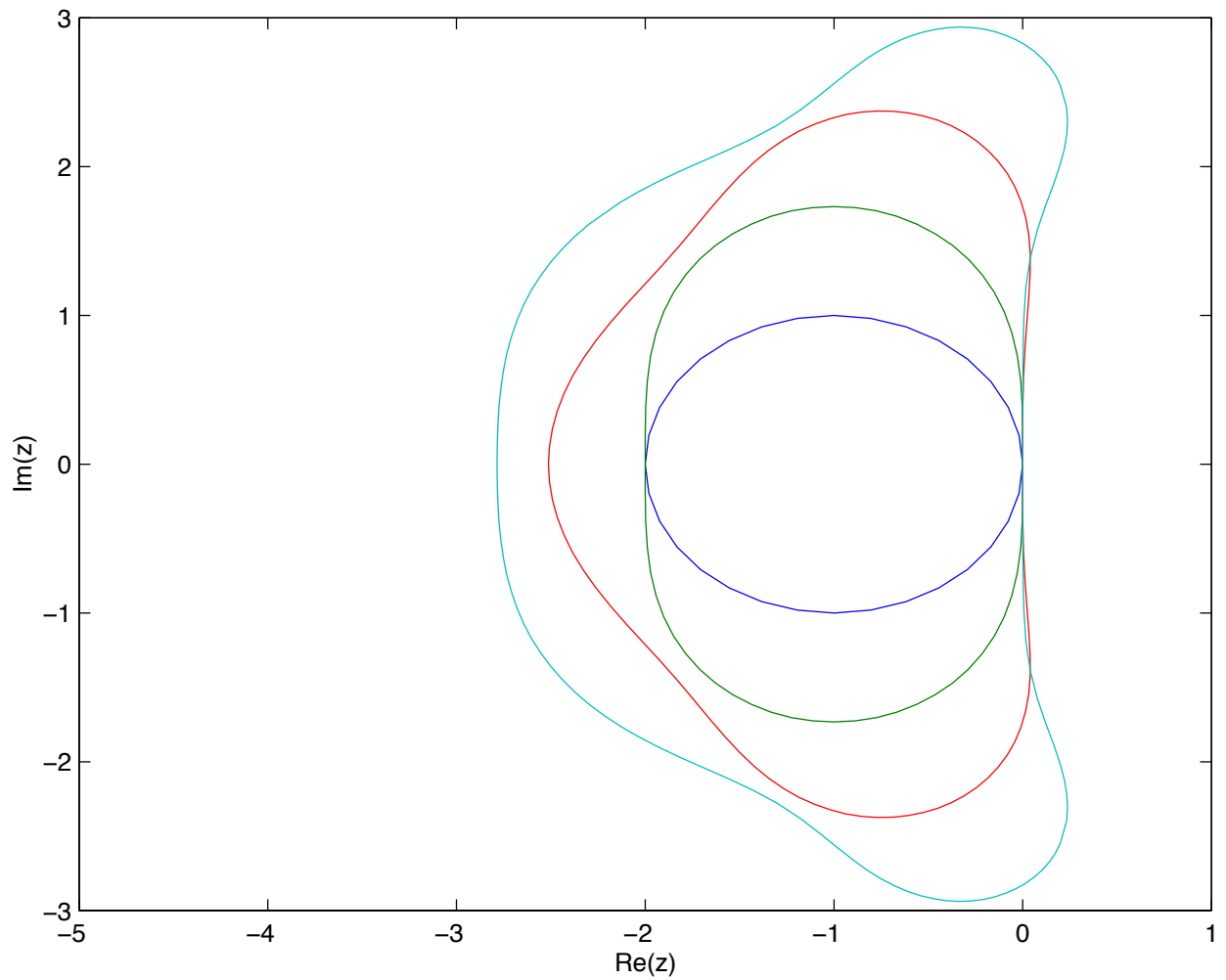


Figure 3.2.1: Region of absolute stability for p -stage explicit Runge-Kutta methods of order $p = 1, 2, 3, 4$ (interiors of smaller closed curves to larger ones).