\[ \ell_2 \] error when \( \alpha = 0 \)

\[ \ell_\infty \] error when \( \alpha = 0 \)

\[ \ell_2 \] error when \( \alpha = \frac{3\pi}{20} \)

\[ \ell_\infty \] error when \( \alpha = \frac{3\pi}{20} \)

- **\( \ell_2 \) error when \( \alpha = 0 \)**
  - Graph showing the \( \ell_2 \) error for different maximum resolutions with various marking schemes.

- **\( \ell_\infty \) error when \( \alpha = 0 \)**
  - Graph showing the \( \ell_\infty \) error for different maximum resolutions with various marking schemes.

- **\( \ell_2 \) error when \( \alpha = \frac{3\pi}{20} \)**
  - Graph showing the \( \ell_2 \) error for different maximum resolutions with various marking schemes.

- **\( \ell_\infty \) error when \( \alpha = \frac{3\pi}{20} \)**
  - Graph showing the \( \ell_\infty \) error for different maximum resolutions with various marking schemes.

Legend:
- ▲ one level refinement with intermediate step
- △ one level refinement without intermediate step
- ● two level refinement with intermediate step
- ○ two level refinement without intermediate step