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extended boundary

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Definition. Suppose that \mathbb{C} is the complex plane and $G \subset \mathbb{C}$. The *extended boundary* of G denoted $\partial_\infty G$ is defined as the boundary of G plus the point at infinity if in fact G is unbounded.

The extended boundary of G is really the boundary of G in the extended complex plane (the one-point compactification of \mathbb{C}).

References

- [1] John B. Conway. . Springer-Verlag, New York, New York, 1978.