References Archimedean property

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Troelstra [7] assumes the Archimedean property of rational numbers. Retakes the exposed thing by Bishop in 1967 about constructive analysis.

Bridges [3] makes a axiomatization constructive of real numbers. The Archimedean property is an axiom, page 103.

Bishop and Bridges [2] defines the constructive real numbers through Cauchy sequences. Not explicitly estated Archimedean property.

Bishop [1] defines the constructive real numbers through Cauchy sequences. Not explicitly estated Archimedean property.

For Bridger [4], a real number r is a fine and consistent family of rational intervals. Not explicitly stated Archimedean property.

Palmgren [6] makes an axiomatization constructive of real numbers. Does not mention of the Archimedean property.

Ciaffaglione and Di Gianantonio [5] makes a axiomatization constructive of real numbers. The Archimedean property is an axiom, page 41.

References

[1] E. Bishop. *Foundations of constructive analysis*. McGraw-Hill, New York, 1967.

[2] Errett Bishop and Douglas Bridges. *Constructive analysis*, volume 279. Springer Science & Business Media, 1985.

[3] Douglas S Bridges. Constructive mathematics: a foundation for computable analysis. *Theoretical computer science*, 219(1):95–109, 1999.

[4] M. Briger. *Real analysis a constructive approach*. Wiley Interscience, 2007.

[5] Alberto Ciaffaglione and Pietro Di Gianantonio. A tour with constructive real numbers. In *Types for Proofs and Programs*, pages 41–52. Springer, 2002.

[6] Erik Palmgren. An intuitionistic axiomatisation of real closed fields. *Mathematical Logic Quarterly*, 48(2):297–300, 2002.

[7] AS Troelstra and D van Dalen. *Constructivism in Mathematics*, volume 1. Elsevier, 1988.