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A proof for the Blair-Hager-Johnson theorem on absolute z -embedding

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Abstract: In this paper, a simple proof is given for the following theorem due to Blair [7], Blair-Hager [8] and Hager-Johnson [12]: A Tychonoff space X is z -embedded in every larger Tychonoff space if and only if X is almost compact or Lindelöf. We also give a simple proof of a recent theorem of Bella-Yaschenko [6] on absolute embeddings.

Keywords: absolute z -embedding, absolute C -embedding, absolute C^* -embedding, absolute embeddings, almost compact, Lindelöf, compact, pseudocompact

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