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**Dense embeddings in ( pathwise ) connected spaces :  
results and open problems**

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A space  $X$  is called ( pathwise ) connectifiable if it can be embedded as a dense subspace of a ( pathwise ) connected Hausdorff space  $Y$ ; if such is the case,  $Y$  is called a ( pathwise ) connectification of  $X$ .

In this lecture we provide a survey of the most important results obtained by several authors. Moreover, we will give a rather complete endup-to-date list of the major open problems in this field.

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