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1 INTRODUCTION

There has been a debate over the past two decades about whether the cosmological constant enters into the gravitational lensing equation.

The conventional view [\[1\]](#) states that the cosmological constant does not directly play a role in gravitational lensing, [\[2\]](#) apart from

2 DESCRIPTION OF THE SWISS CHEESE MODEL

2.1 SPACETIME PATCHES

Swiss-cheese (SC) models were introduced by Einstein and Strauss

2.2 MATCHING CONDITIONS

BIBLIOGRAPHY

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- [2] F. Simpson, J. A. Peacock, and A. F. Heavens, “On lensing by a cosmological constant”, *Monthly Notices of the Royal Astronomical Society*, vol. 402, no. 3, pp. 2009–2016, 2010.