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Synthesis of an accelerating section for an electron-positron collider. (Russian. English summary) [Zbl 1164.78301](#)

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The full exterior scattering problem (in the azimuth-axisymmetrical formulation) modeling the electromagnetic waves propagation in the accelerating section of an electron-positron collider is considered. The method of discrete sources is applied for numerical investigations of the problem.

Reviewer: [Sergei Georgievich Zhuravlev \(Moskva\)](#)

MSC:

[78A25](#) Electromagnetic theory, general

[78A35](#) Motion of charged particles

[78A45](#) Diffraction, scattering

Keywords:

[electromagnetic theory](#); [motion of charged particles](#); [scattering](#)

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