« La théorie Teichmüller–Thurston d'ordre supérieur »
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Particles in spacetimes in expansion

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I will present the construction of flat spatially compact 2+1 dimensional spacetimes containing singular lines "with spin", i.e. surrounded by closed timelike curves. In a previous work, we have classified these spacetimes in the stationary case ; in the present lecture, I will show that one can construct such spacetimes so that the level sets of times are negatively curved. I will also briefly describe a parametrization of the modular space of representations into the Poincaré group of surface groups with prescribed elliptic holonomy on the boundary.

This is a joint work with C. Meusberger..

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