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## Riemannian extensions of affine surfaces with cyclic parallel Ricci tensor.

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Let  $(M; \nabla)$  be a two dimensional affine manifold and  $(T^*M, g^\nabla)$  its Riemannian extension. In this paper, we show that  $(T^*M, g^\nabla)$  has a cyclic parallel Ricci tensor (or is an  $L_3$ -space or is a  $A$ -manifold Einstein-like) if and only if  $(M; \nabla)$  has a cyclic parallel Ricci tensor (or is an  $L_3$ -space or is a  $A$ -manifold Einstein-like).

**Keywords:** Ricci tensor, Cyclic parallel Ricci tensor, affine surface, Riemann extensions.