Title: On Einstein Matsumoto metrics

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This paper contributes to the study of Matsumoto metrics $F = \frac{\alpha^2}{\alpha-\beta}$ with β of constant length related to α, where the α is a Riemannian metric and the β is a one form. It is shown that such a Matsumoto metric F is an Einstein metric if and only if α is Ricci-flat and β is parallel with respect to α. A nontrivial example of Ricci flat Matsumoto metrics is given.

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