

# Isometric immersions of space forms into $\mathbb{S}^n \times \mathbb{R}$ .

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**Abstract.** It will be presented a classification of isometric immersions  $f : M_c^m \rightarrow \mathbb{S}^{m+p} \times \mathbb{R}$  with  $m \geq 3$ ,  $p \leq m - 3$  and  $c \leq 1$ , where  $M_c^m$  denotes a Riemannian manifold with constant sectional curvature equal to  $c$ .

Joint work with Ruy Tojeiro.