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Decaying positive solutions of some quasilinear differential equations

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Abstract: The existence of decaying positive solutions in $\mathbb{R}_+$ of the equations (E_λ) and (E^1_λ) displayed below is considered. From the existence of such solutions for the subhomogeneous cases (i.e. $t^{1-p}F(r,tU,t|U'|) \searrow 0$ as $t \nearrow \infty$), a super-sub-solutions method (see §2.2) enables us to obtain existence theorems for more general cases.

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