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Solution of a Problem of Edwards and Hellerstein

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Abstract. Let f be a real transcendental entire function of finite order with finitely many non-real zeros and let F be the Newton function of f . Then the set $\{z \in \mathbb{C} : \operatorname{Im} z > 0, \operatorname{Im} F(z) < 0\}$ has no unbounded components.

Keywords. Entire function, real zeros, Newton function.

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