Title: Density modulo 1 of some sequences associated to the functions φ and σ

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For any polynomial G with integral coefficients and taking positive values at positive arguments, we prove density modulo 1 of several sequences associated to the Euler and sum of divisors functions evaluated at G. More precisely, density modulo 1 of the following sequences with general terms: $\sum_{m \leq n}(\varphi(G(m))/G(m))^{\ell}$, $\sum_{m \leq n}(G(m)/\sigma(G(m)))^{\ell}$ and $\sum_{m \leq n}(\varphi(G(m))/\sigma(G(m)))^{\ell}$ for given $\ell > 0$.

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