On Apostol-type polynomials

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The generating functions for the special polynomials are important from different view points and help in finding connection formulas, recursive relations, difference equations, and in solving problems in combinatorics and encoding their solutions. In this talk, a new class of the degenerate Apostol–type Hermite polynomials is introduced. Certain algebraic and differential properties of there polynomials are derived. Most of the results are proved by using generating function methods. (for example [1],[2], [3], [4] and [5]).

References

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