

A GENERALISED SCHWARZ-PICK THEOREM

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The Schwarz-Pick Theorem gives estimates for the first derivative of a function $f(z)$ mapping the unit disk into itself. A generalisation is given to the n 'th derivative and the cases of equality discussed. This involves a treatment of subspaces of the Hardy Space $H(2)$ of the De Branges-Rovnyak type (joint work with J. Rovnyak).