**CAROL WOOD**, Wesleyan University, Middletown, Connecticut, USA *Partial Differential Fields and Separation of Variables* 

A result of Johnson, Reinhart and Rubel (1995) shows that, unlike the one variable case, it is not possible in general to approximate solutions to partial differential equations via finite transcendence extensions. We indicate the relationship of this phenomenon to types in the model theory of partial differential fields in characteristic zero.