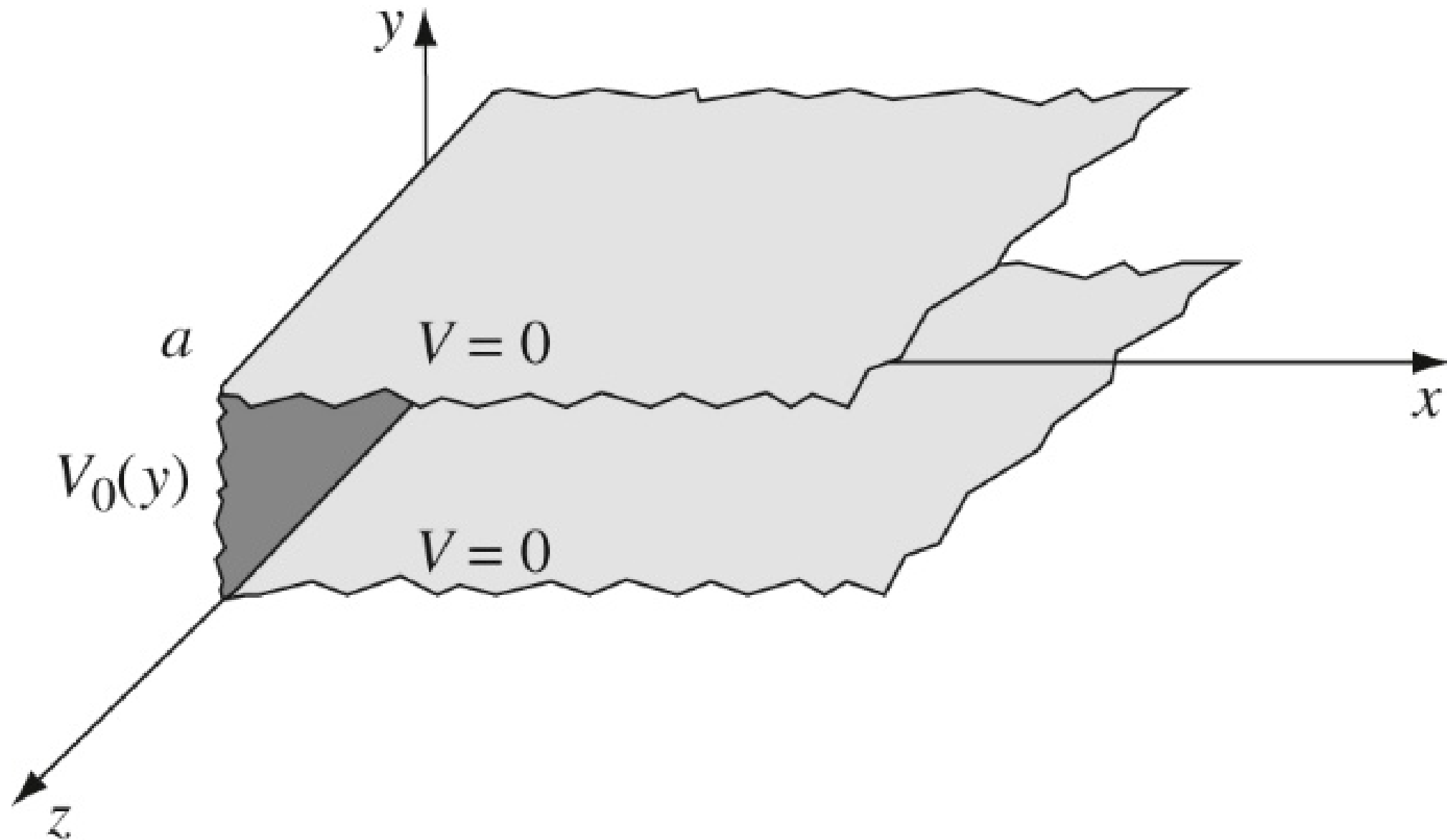
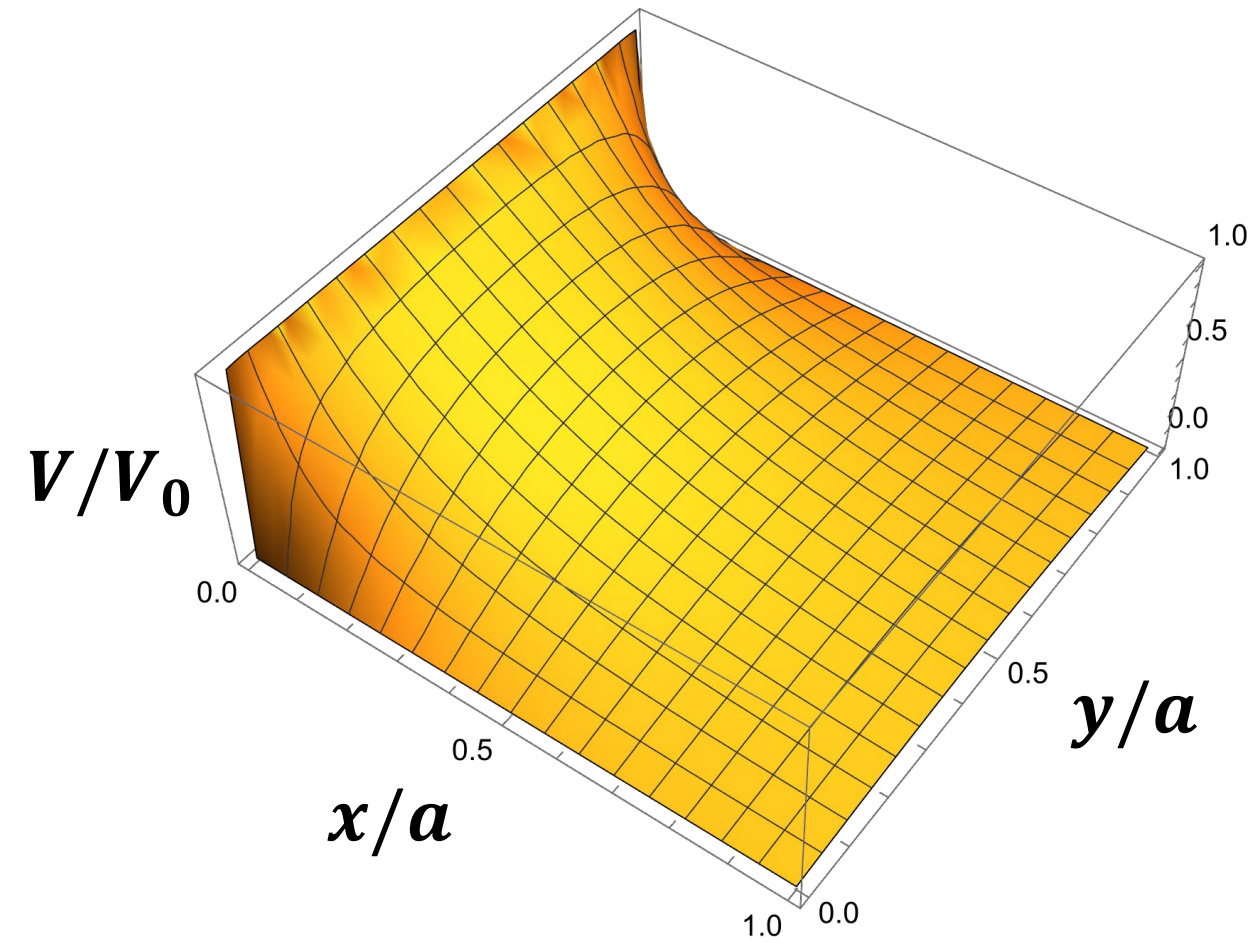


Lecture 14 Slides

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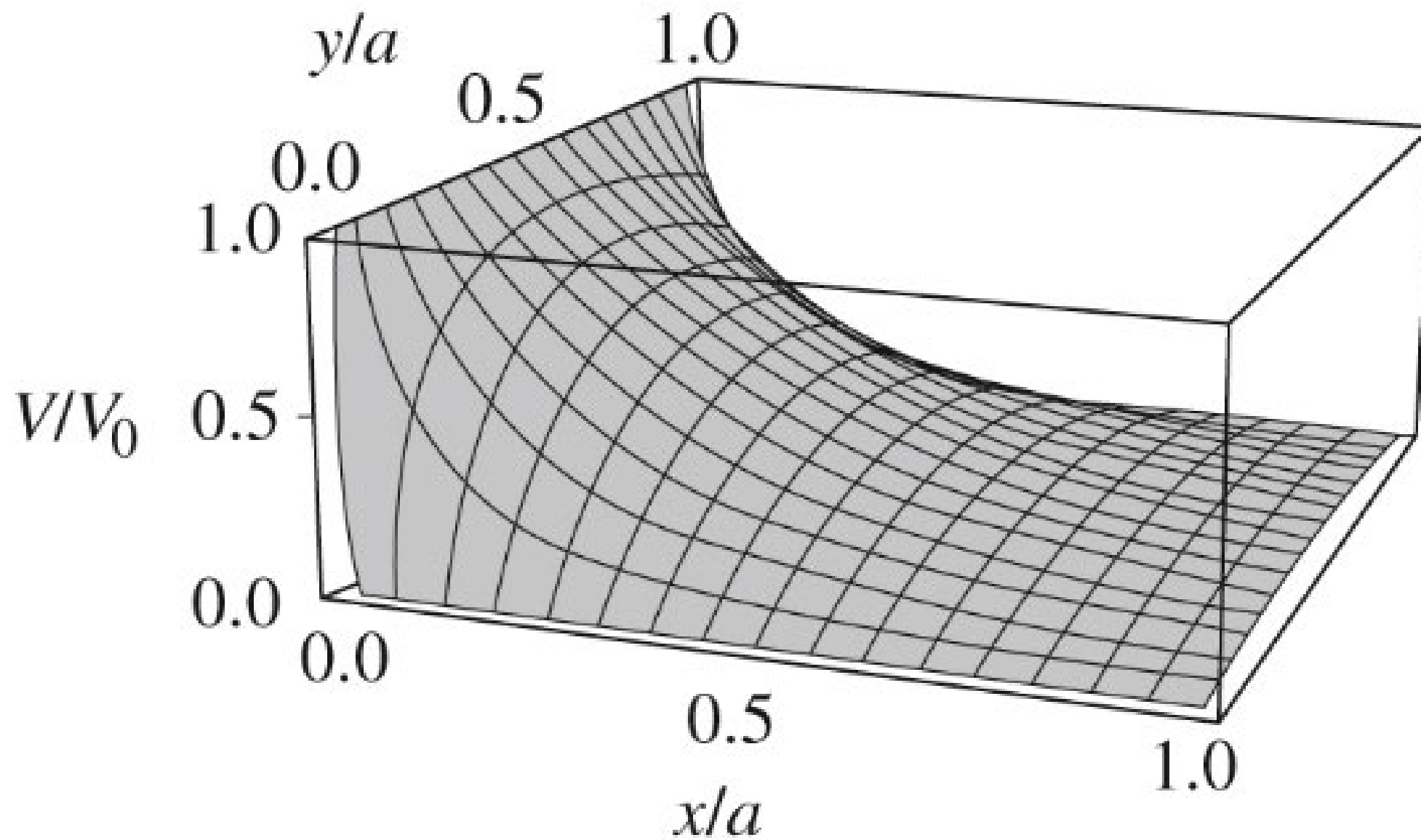


Potential in Example 3.3, Griffiths Introduction to Electrodynamics, 5th Ed.

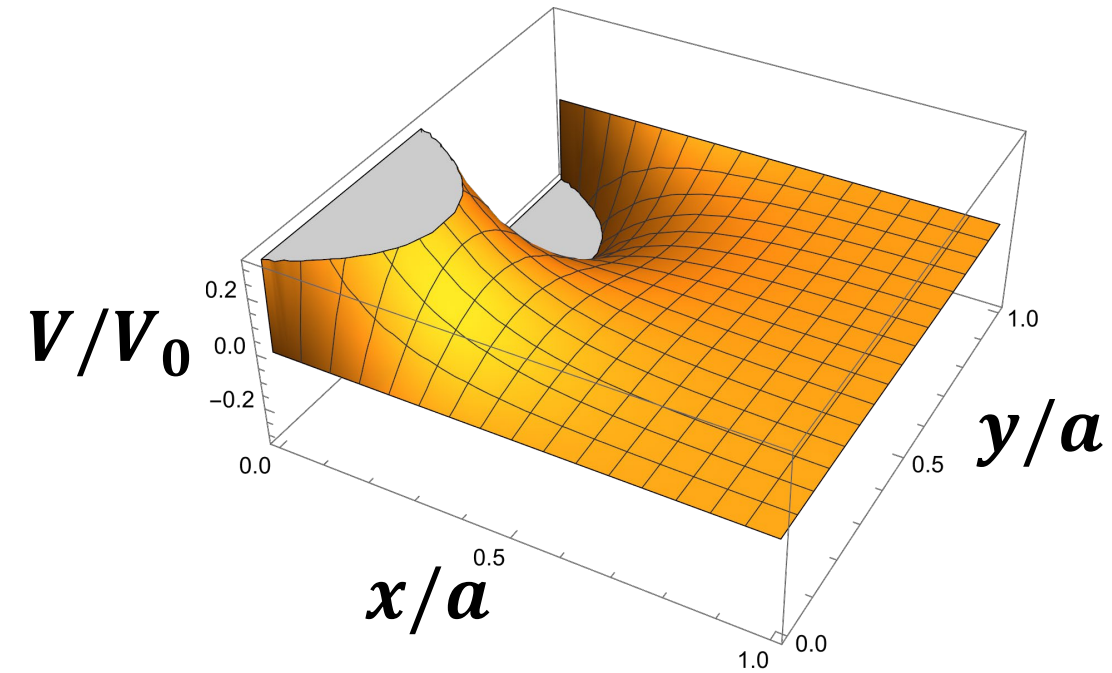
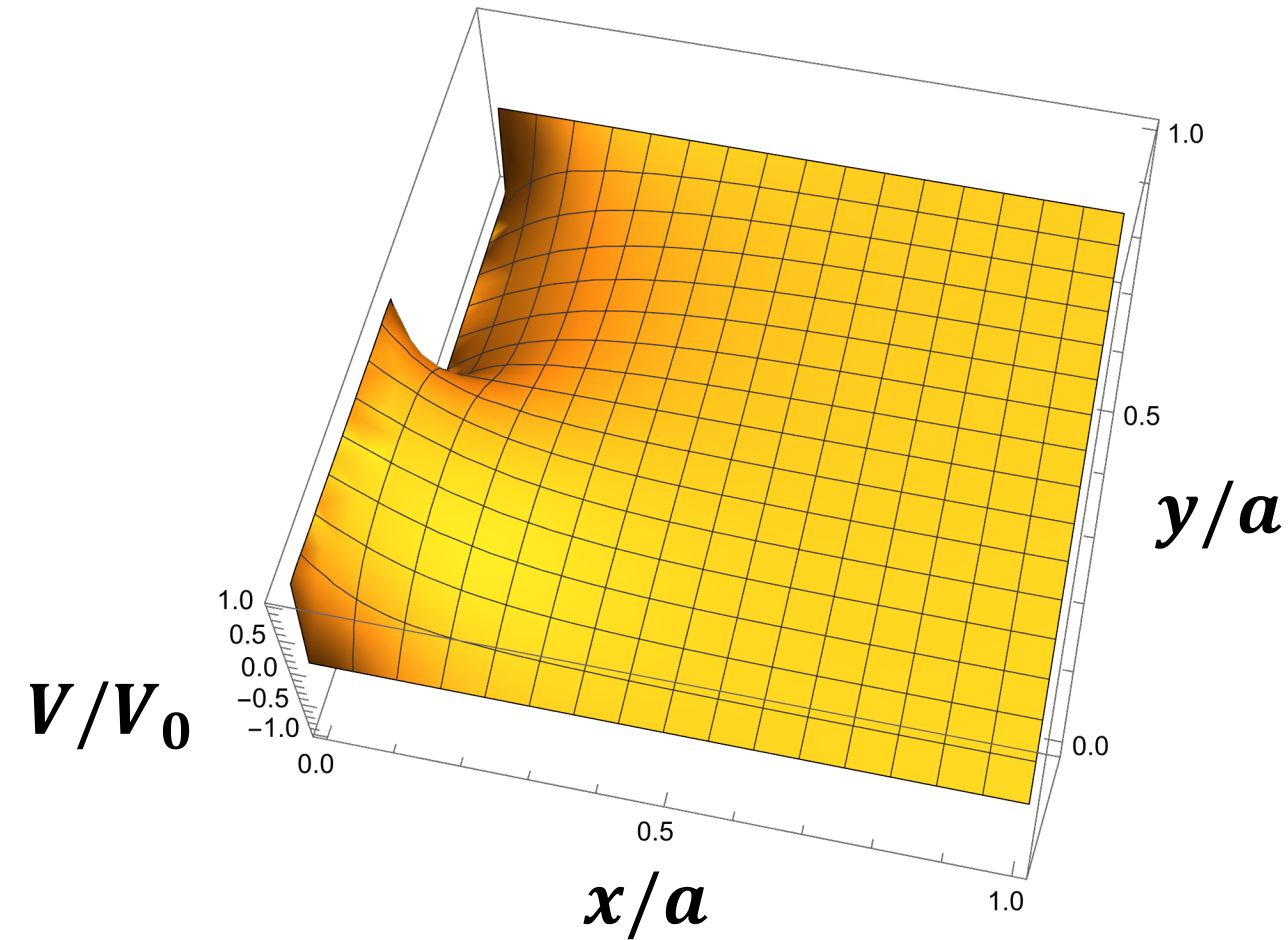


$$a = 1$$
$$nmax = 200$$

$$V[x_, y_, a_, nmax_] := (4/\pi) \text{Sum}[(1/n) e^{-n\pi x/a} \text{Sin}[n\pi y/a], \{n, 1, nmax, 2\}]$$



Potential in Problem 3.15, Griffiths Introduction to Electrodynamics, 5th Ed.



$a = 1$
 $j_{max} = 200$

$$V3p15[x_, y_, a_, jmax_] := (8/\pi) \text{Sum}[(1/(4j + 2)) e^{-(4j+2)\pi x/a} \text{Sin}[(4j + 2)\pi y/a], \{j, 0, jmax, 1\}]$$