20.11.2006

0.1 Partielle Integration

$(uv)' = u'\,v + u\,v';$

$u\,v' = (uv)' - u'\,v;$

$\int u\,v'\,\mathrm{d}x = \int (uv)'\,\mathrm{d}x - \int u'\,v\,\mathrm{d}x = uv + C - \int u'\,v\,\mathrm{d}x;$