In Eq. [3], the discrete cosine transform (DCT) was incorrectly formulated. The correct equation is

\[
G(i, j) = \alpha_i \alpha_j \sum_{z=1}^{N} \sum_{x=1}^{M} s(z, x) \cos \left( \frac{\pi(2z-1)(i-1)}{2N} \right) \cos \left( \frac{\pi(2x-1)(j-1)}{2M} \right)
\]

where

\[
\alpha_i = \begin{cases} 
\frac{1}{\sqrt{N}}, & i = 1 \\
\frac{2}{\sqrt{N}}, & 2 \leq i \leq N 
\end{cases}, \quad \alpha_j = \begin{cases} 
\frac{1}{\sqrt{M}}, & j = 1 \\
\frac{2}{\sqrt{M}}, & 2 \leq j \leq M 
\end{cases}
\]