

The supplementary materials display the different representations that could be obtained along the training of SpyncoGan. These representations may have a significant interest for artistic purposes, providing both interesting results and inspiration. Electronic version is recommended to see details.



Figure 1: Examples of colorized Cezanne paintings using SpyncoGan along the training ( $G_1(I) = O_{d_1}^{W \times H}$ ).

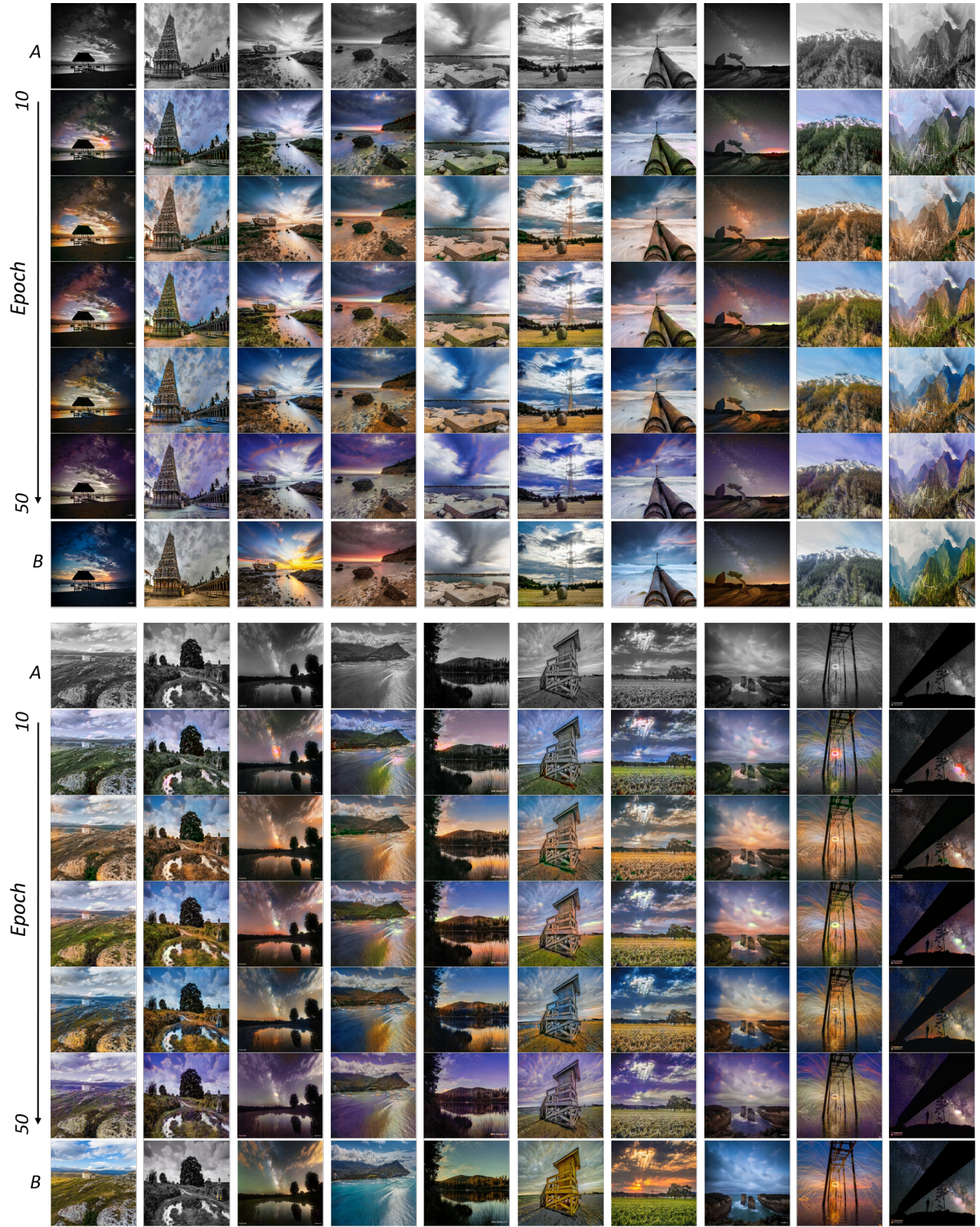


Figure 2: Examples of colorized landscape images using SpyncoGan along the training ( $G_1(I) = O_{d_1}^{W \times H}$ ).



Figure 3: Examples of colorized aerial images using SpyncoGan along the training ( $G_1(I) = O_{d_1}^{W \times H}$ ).

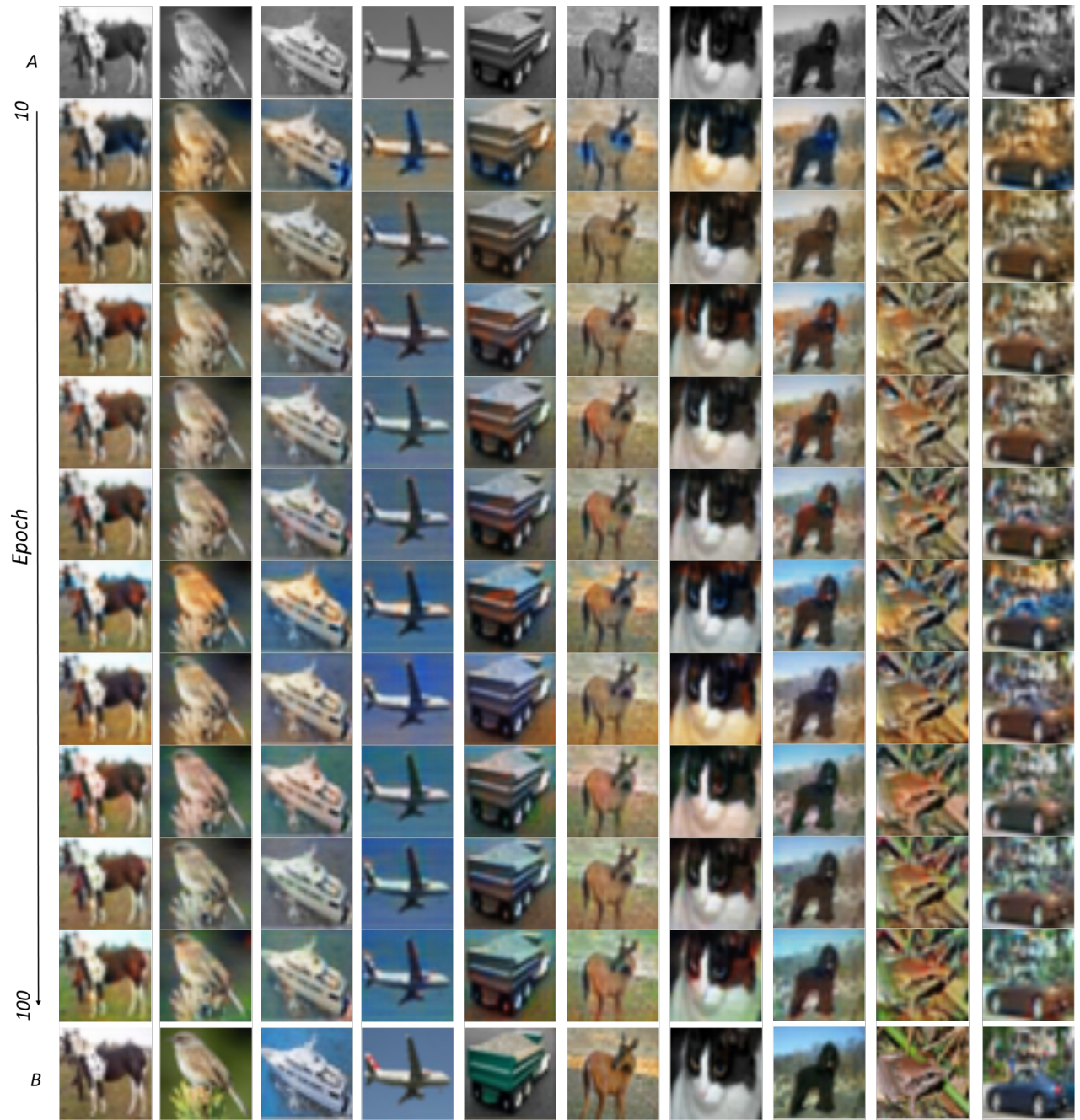


Figure 4: Examples of colorized thumbnail images using SpyncoGan along the training ( $G_1(I) = O_{d_1}^{W \times H}$ ).

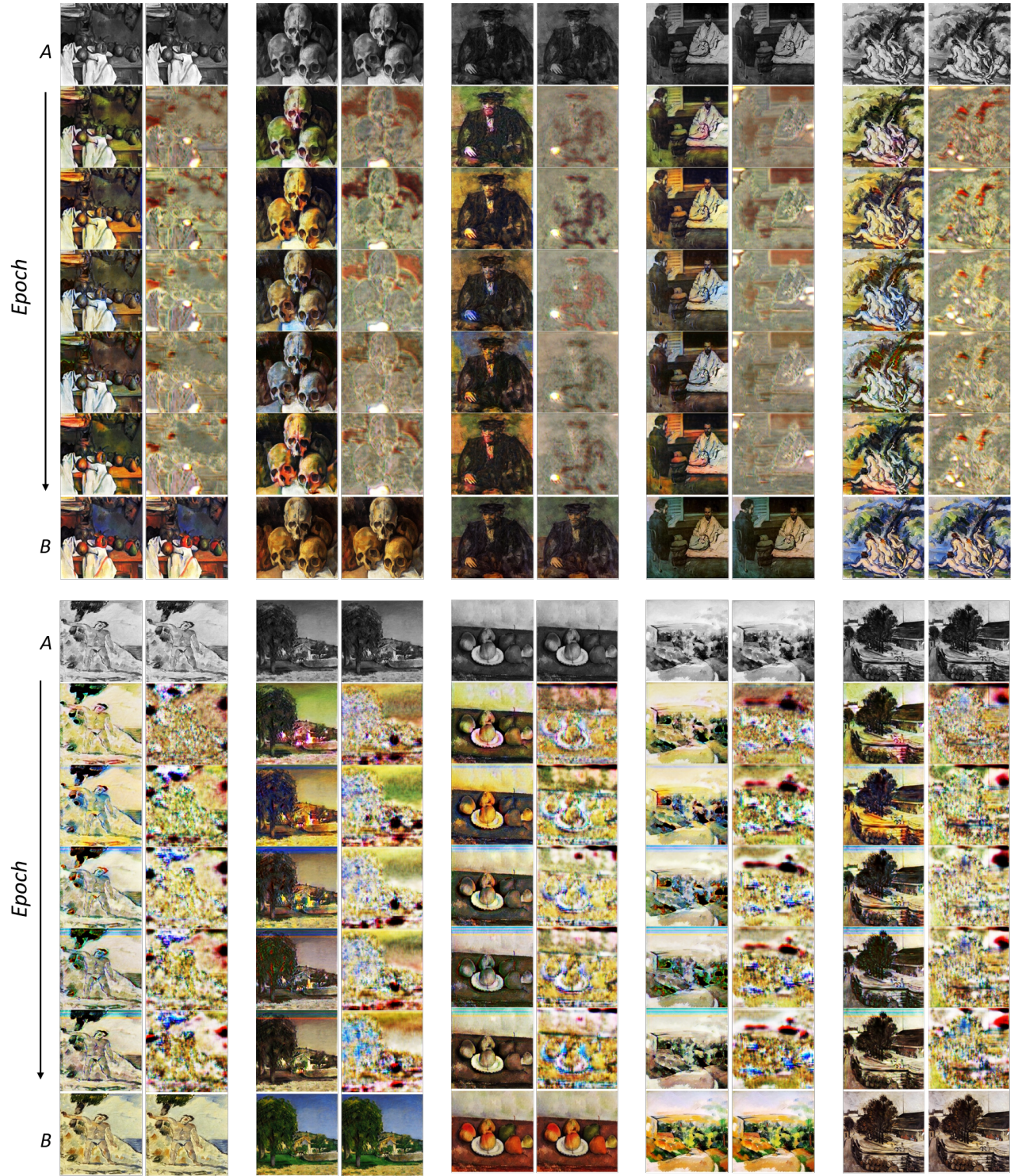


Figure 5: Intermediate outputs of SpyncoGan on Cezanne paintings trained with all the outputs of *OSP* (left columns,  $\mathcal{L}^{1,2,3}$ ) and trained only with the last output (right,  $\mathcal{L}^1$ ) as referred in section 6.2.1. Top row represents  $G_2(I)$ . Bottom row represents  $G_3(I)$ .