









**Fig. 4.** SSIM comparison in Bike image with difference size of ws: (a)  $k=0$ , (b)  $k=1$ , (c)  $k=2$ , (d)  $k=3$ , (e)  $k=4$ , and (f)  $k=5$ .

## References

1. Doyle, T.: Interlaced to sequential conversion for EDTV applications. in Proc. 2nd Int. Workshop Signal Processing of HDTV, pp. 412-430, 1998.
2. Jack, K., Video Demystified - A Handbook for the Digital Engineer, 4th ed., Elsevier, Jordan Hill, Oxford, 2005.
3. Bellars, E.B., De Haan, G.: Deinterlacing: A Key Technology for Scan Rate Conversion, Elsevier, Amsterdam, 2000.
4. De Haan, G.: Television display processing: past & future. in Proc. IEEE ICCE'07, Las Vegas, pp. 1-2, 2007.
5. Kang, K., Jeon, G., Jeong, J.: A single field interlaced to progressive format conversion using edge map in the image block. in Proc. IASTED SIP 2009, pp. 80-85, Hawaii, USA, 2009.
6. Chen, P.-Y., Lai, Y.-H.: A low-complexity interpolation method for deinterlacing. IEICE Trans. Inf. Syst. E90-D(2), 606-608, 2007.
7. Michaud, F., Le Dinh, C.T., Lachiver, G., Fuzzy detection of edge direction for video line doubling. IEEE Trans. Circuits Syst. Video Technol., vol. 7, no. 3, pp. 539-542, 1997.