ERRATUM

Erratum to: Failure Analysis and Finite Element Simulation of Above Ground Oil-Gas Pipeline Impacted by Rockfall

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Spherical rockfall

J. Zhang · Z. Liang · C. J. Han

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Figure 15 is not correct in the original article. The correct figure is as follows:

Spherical rockian impact impact $- \alpha = 0^{\circ}$ $- \alpha = 15^{\circ}$ $- \alpha = 30^{\circ}$ $- \alpha = 45^{\circ}$... $- \alpha = 60^{\circ}$ $- \alpha = 75^{\circ}$... $- \alpha = 60^{\circ}$ $- \alpha = 75^{\circ}$... $- \alpha = 75^{\circ}$... $- \alpha = 60^{\circ}$... $- \alpha = 75^{\circ}$... $- \alpha = 60^{\circ}$...

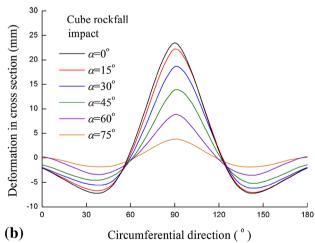


Fig. 15 Pipeline deformation in cross surface

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J. Zhang · Z. Liang (☒) · C. J. Han School of Mechatronic Engineering, Southwest Petroleum University, Chengdu 610500, Sichuan, China e-mail: liangz_2242@126.com

J. Zhang

e-mail: longmenshao@163.com

