

В монографии приведены результаты исследования и данные практики по обеспечению устойчивости отвальных откосов, предупреждению и борьбе с оползнями, рациональной технологии сталкообразования. Обоснованы расчетные показатели сопротивления сдвигу пород в отвалах на основании лабораторных и натурных испытаний, методом обратных расчетов. Приведены результаты обоснования расчетных показателей прочностных характеристик пород с учетом их статистико-вероятностного характера. Описан численно-аналитический способ решения задачи устойчивости для однородного массива отвала и отвала расположенного на слабом основании ограниченной мощности и большой мощности. Для расчета параметров предельного откоса разработано программное обеспечение. Приведены зависимости предельной высоты откоса от сцепления пород массива, мощности и угла падения слабого слоя для условий ряда карьеров РФ и Казахстана. Описаны практические задачи по управлению устойчивостью откосов отвалов на ряде месторождений.

Устойчивость отвалов



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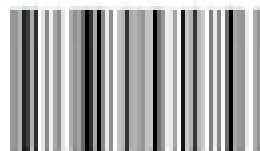
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Методика, алгоритмы, расчет и обоснование
прочностных характеристик и параметров
отвальных массивов



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web 9 6 radicals and rational exponents when simplifying radicals that use fractional exponents the numerator on the exponent is divided by the denominator all radicals can be shown as having an equivalent fractional exponent for example $x^{1/2} \cdot x^{3/4} \cdot x^{1/5} \cdot x^{1/2} \cdot x^{3/4} \cdot x^{1/5}$

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web problems involving rational exponents and radicals $3^{3/2} \cdot 2^{2/2} \cdot 1^{4/2} \cdot 9^{4/2} \cdot 3^{2/2} \cdot 2^{2/2}$ by flipping the base we can change the negative exponent as positive $3^{3/2} \cdot 3^{8/2} \cdot 2^{7/2} \cdot 8^{3/2} \cdot 3^{2/2} \cdot 2^{2/2}$ by flipping the base we can change the negative exponent as positive $2^{3/4} \cdot 9$ so the answer is $4 \cdot 9$

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web the general form for converting between a radical expression with a radical symbol and one with a rational exponent is how to given an expression with a rational exponent write the expression as a radical

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web apr 22 2021 howto given an expression with a rational exponent write the expression as a radical determine the power by looking at the numerator of the exponent determine the root by looking at the denominator of the exponent using the base as the radicand raise the radicand to the power and use the root as the index

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web solve the following problems involving expressions with rational exponents 1 the sum of two numbers is 125 1 3 and their product is 36 1 2 find the num

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web chapter 9 radicals 9 7 rational exponents increased difficulty simplifying rational exponents equations that are more difficult generally involves two steps first reduce inside the brackets second multiplu the power outside the brackets for all terms inside example 9 7 1 simplify the following rational exponent expression

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web what are quadratic and exponential word problems and how frequently do they appear on the test quadratic and exponential word problems ask us to solve equations or evaluate functions that model real world scenarios