MCNP-моделирование тестовых полей нейтронов и гамма квантов комбинированных источников на установке ОР-М НИЦ КИ

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Структура квалификационной работы

Введение (постановка задачи)

Методика:

* MCNP кратко,
* схема эксперимента – расчетные модели комбинированных источников, точки детектирования (описание и схемы),
* задание интенсивности первичных источников излучения и энергетического распределения излучений каждого вида (описание и схемы),
* схема расчетного исследования пространственно-энергетических характеристик переноса излучений – нейтронов (от 10Е-10 до 15 МэВ), первичного и вторичного гамма излучения (от 0.1 до 10 МэВ),
* методика оценки искомых вкладов в детекторе от вариаций материального окружения первичных источников.

Результаты расчетного моделирования:

* Таблицы и графики рассчитанных пространственно-энергетических распределений излучений в тестовых полях.
* Определение интегральных по энергии потоков нейтронов (в тепловой области, для нейтронов с энергиями выше 1.45, 2.5, 5 и 7.5 МэВ) и экспозиционной дозы гамма квантов в различных точках.
* Дисперсии

Сравнение расчетных результатов с экспериментом.

Выводы

Список литературы (MCNP, Перенос излучения, Бэнчмарк эксперименты, Анализ тестов …)

Подготовка презентации для защиты квалификационной работы,

Предзащита на площадке установки ОР-М НИЦ КИ

Первичный источник

Полиэтилен

Сталь

Д1

Д2

Д3

**КИ1**

**КИ2**

Рисунок 1– Принципиальная схема расположения конструкций и материалов комбинированного источника.

Первичный источник быстрых нейтронов

239Pu-Be, отобразить как точечный изотропный.

Энергетическое распределение нейтронов – на рис. 2, а гамма квантов – на рис. 3 и в таблицах 1 и 3 соответственно.

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| Рисунок 2. Энергетический спектр нейтронов 239Pu-Be источника, нормированный к единичному выходу нейтронов в полный телесный угол. |

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| Рисунок 3 - Энергетический спектр γ-излучения нейтронного источника 239Pu-Be, нормированный к единичной плотности потока гамма квантов.  **Таблица 1. Спектр нейтронов, испускаемых источником 239Pu-Be** .  В таблице 1 приведены дифференциальные Ф(Е), Dn(E) и интегральные F(E>Eo), Dn(E>Eo) распределения плотности потока и мощности эффективной эквивалентной дозы быстрых нейтронов, испускаемых Pu-Be источником с изотопом плутония 239. Распределения нормированы на единичную интегральную плотность потока F(E>Emin)=1 и интегральную мощность эффективной эквивалентной дозы Dn(E>Emin)=1.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Энергия E, Eo,  МэВ | Дифференциальная плотность потока Ф(Е),  н/см2\*с\*МэВ | Интегральная плотность потока F(E>Eo),  н/см2\*с | Дифференциальная мощность дозы Dn(E),  Зв/с\*МэВ | Интегральная мощность дозы Dn(E>Eo),  Зв/с | | 1 | 2 | 3 | 4 | 5 | | 0.08 | 2.18E-01 | 1.00E+00 | 2.85E-02 | 1.00E+00 | | 0.14 | 3.31E-01 | 9.87E-01 | 6.10E-02 | 1.00E+00 | | 0.18 | 3.27E-01 | 9.74E-01 | 7.52E-02 | 9.95E-01 | | 0.22 | 2.56E-01 | 9.60E-01 | 6.79E-02 | 9.91E-01 | | 0.26 | 2.87E-01 | 9.47E-01 | 8.39E-02 | 9.91E-01 | | 0.3 | 2.65E-01 | 9.40E-01 | 8.49E-02 | 9.86E-01 | | 0.33 | 2.51E-01 | 9.27E-01 | 8.67E-02 | 9.82E-01 | | 0.37 | 2.32E-01 | 9.21E-01 | 8.62E-02 | 9.82E-01 | | 0.4 | 2.29E-01 | 9.14E-01 | 9.04E-02 | 9.77E-01 | | 0.43 | 2.19E-01 | 9.07E-01 | 9.17E-02 | 9.72E-01 | | 0.46 | 2.11E-01 | 9.01E-01 | 9.27E-02 | 9.72E-01 | | 0.49 | 1.99E-01 | 8.94E-01 | 9.17E-02 | 9.68E-01 | | 0.52 | 1.83E-01 | 8.87E-01 | 8.81E-02 | 9.68E-01 | | 0.55 | 1.70E-01 | 8.81E-01 | 8.35E-02 | 9.63E-01 | | 0.58 | 1.56E-01 | 8.81E-01 | 7.89E-02 | 9.63E-01 | | 0.61 | 1.46E-01 | 8.74E-01 | 7.52E-02 | 9.59E-01 | | 0.63 | 1.39E-01 | 8.74E-01 | 7.39E-02 | 9.59E-01 | | 0.66 | 1.37E-01 | 8.68E-01 | 7.43E-02 | 9.54E-01 | | 0.68 | 1.38E-01 | 8.61E-01 | 7.66E-02 | 9.54E-01 | | 0.71 | 1.40E-01 | 8.61E-01 | 7.94E-02 | 9.50E-01 | | 0.74 | 1.42E-01 | 8.54E-01 | 8.26E-02 | 9.50E-01 | | 0.76 | 1.43E-01 | 8.54E-01 | 8.44E-02 | 9.50E-01 | | 0.79 | 1.42E-01 | 8.48E-01 | 8.53E-02 | 9.45E-01 | | 0.81 | 1.38E-01 | 8.48E-01 | 8.49E-02 | 9.45E-01 | | 0.83 | 1.33E-01 | 8.41E-01 | 8.35E-02 | 9.40E-01 | | 0.86 | 1.28E-01 | 8.41E-01 | 8.12E-02 | 9.40E-01 | | 0.88 | 1.22E-01 | 8.34E-01 | 7.89E-02 | 9.36E-01 | | 0.9 | 1.15E-01 | 8.34E-01 | 7.61E-02 | 9.36E-01 | | 0.93 | 1.09E-01 | 8.34E-01 | 7.34E-02 | 9.36E-01 | | 0.95 | 1.03E-01 | 8.28E-01 | 7.02E-02 | 9.31E-01 | | 0.97 | 9.80E-02 | 8.28E-01 | 6.79E-02 | 9.31E-01 | | 1 | 9.34E-02 | 8.28E-01 | 6.51E-02 | 9.31E-01 | | 1.02 | 8.94E-02 | 8.21E-01 | 6.33E-02 | 9.27E-01 | | 1.04 | 8.74E-02 | 8.21E-01 | 6.28E-02 | 9.27E-01 | | 1.06 | 8.68E-02 | 8.21E-01 | 6.28E-02 | 9.27E-01 | | 1.08 | 8.81E-02 | 8.15E-01 | 6.47E-02 | 9.22E-01 | | 1.11 | 9.07E-02 | 8.15E-01 | 6.70E-02 | 9.22E-01 | | 1.13 | 9.34E-02 | 8.15E-01 | 6.97E-02 | 9.22E-01 | | 1.15 | 9.54E-02 | 8.15E-01 | 7.20E-02 | 9.17E-01 | | 1.17 | 9.60E-02 | 8.08E-01 | 7.29E-02 | 9.17E-01 | | 1.19 | 9.40E-02 | 8.08E-01 | 7.25E-02 | 9.17E-01 |   Продолжение 1 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 1.21 | 9.01E-02 | 8.08E-01 | 7.02E-02 | 9.13E-01 | | 1.23 | 8.54E-02 | 8.01E-01 | 6.65E-02 | 9.13E-01 | | 1.25 | 8.01E-02 | 8.01E-01 | 6.28E-02 | 9.13E-01 | | 1.27 | 7.68E-02 | 8.01E-01 | 6.06E-02 | 9.13E-01 | | 1.29 | 7.62E-02 | 8.01E-01 | 6.06E-02 | 9.08E-01 | | 1.31 | 7.88E-02 | 7.95E-01 | 6.28E-02 | 9.08E-01 | | 1.33 | 8.34E-02 | 7.95E-01 | 6.70E-02 | 9.08E-01 | | 1.35 | 8.94E-02 | 7.95E-01 | 7.20E-02 | 9.04E-01 | | 1.37 | 9.47E-02 | 7.95E-01 | 7.66E-02 | 9.04E-01 | | 1.39 | 9.74E-02 | 7.88E-01 | 7.94E-02 | 9.04E-01 | | 1.41 | 9.74E-02 | 7.88E-01 | 7.98E-02 | 8.99E-01 | | 1.43 | 9.47E-02 | 7.88E-01 | 7.80E-02 | 8.99E-01 | | 1.45 | 9.01E-02 | 7.81E-01 | 7.48E-02 | 8.99E-01 | | 1.47 | 8.48E-02 | 7.81E-01 | 7.06E-02 | 8.94E-01 | | 1.49 | 8.01E-02 | 7.81E-01 | 6.74E-02 | 8.94E-01 | | 1.51 | 7.68E-02 | 7.81E-01 | 6.47E-02 | 8.94E-01 | | 1.53 | 7.48E-02 | 7.81E-01 | 6.33E-02 | 8.94E-01 | | 1.55 | 7.42E-02 | 7.75E-01 | 6.33E-02 | 8.90E-01 | | 1.56 | 7.42E-02 | 7.75E-01 | 6.38E-02 | 8.90E-01 | | 1.58 | 7.48E-02 | 7.75E-01 | 6.47E-02 | 8.90E-01 | | 1.6 | 7.62E-02 | 7.75E-01 | 6.56E-02 | 8.90E-01 | | 1.62 | 7.68E-02 | 7.68E-01 | 6.70E-02 | 8.85E-01 | | 1.64 | 7.81E-02 | 7.68E-01 | 6.83E-02 | 8.85E-01 | | 1.66 | 7.95E-02 | 7.68E-01 | 6.93E-02 | 8.85E-01 | | 1.67 | 8.01E-02 | 7.68E-01 | 7.06E-02 | 8.81E-01 | | 1.69 | 8.15E-02 | 7.68E-01 | 7.20E-02 | 8.81E-01 | | 1.71 | 8.21E-02 | 7.62E-01 | 7.29E-02 | 8.81E-01 | | 1.73 | 8.34E-02 | 7.62E-01 | 7.43E-02 | 8.81E-01 | | 1.75 | 8.41E-02 | 7.62E-01 | 7.57E-02 | 8.76E-01 | | 1.76 | 8.48E-02 | 7.62E-01 | 7.66E-02 | 8.76E-01 | | 1.78 | 8.61E-02 | 7.55E-01 | 7.75E-02 | 8.76E-01 | | 1.8 | 8.68E-02 | 7.55E-01 | 7.89E-02 | 8.72E-01 | | 1.82 | 8.74E-02 | 7.55E-01 | 7.98E-02 | 8.72E-01 | | 1.84 | 8.81E-02 | 7.55E-01 | 8.07E-02 | 8.72E-01 | | 1.85 | 8.81E-02 | 7.55E-01 | 8.17E-02 | 8.67E-01 | | 1.87 | 8.87E-02 | 7.48E-01 | 8.21E-02 | 8.67E-01 | | 1.89 | 8.94E-02 | 7.48E-01 | 8.30E-02 | 8.67E-01 | | 1.91 | 8.94E-02 | 7.48E-01 | 8.35E-02 | 8.67E-01 | | 1.92 | 8.94E-02 | 7.48E-01 | 8.39E-02 | 8.62E-01 | | 1.94 | 8.94E-02 | 7.42E-01 | 8.39E-02 | 8.62E-01 | | 1.96 | 8.94E-02 | 7.42E-01 | 8.44E-02 | 8.62E-01 | | 1.97 | 8.87E-02 | 7.42E-01 | 8.44E-02 | 8.58E-01 | | 1.99 | 8.81E-02 | 7.42E-01 | 8.39E-02 | 8.58E-01 | | 2.01 | 8.74E-02 | 7.35E-01 | 8.39E-02 | 8.58E-01 | | 2.03 | 8.68E-02 | 7.35E-01 | 8.30E-02 | 8.53E-01 | | 2.04 | 8.61E-02 | 7.35E-01 | 8.26E-02 | 8.53E-01 | | 2.06 | 8.48E-02 | 7.35E-01 | 8.17E-02 | 8.53E-01 |   Продолжение 2 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 2.08 | 8.34E-02 | 7.35E-01 | 8.07E-02 | 8.49E-01 | | 2.09 | 8.21E-02 | 7.28E-01 | 7.94E-02 | 8.49E-01 | | 2.11 | 8.08E-02 | 7.28E-01 | 7.80E-02 | 8.49E-01 | | 2.13 | 7.95E-02 | 7.28E-01 | 7.71E-02 | 8.49E-01 | | 2.14 | 7.75E-02 | 7.28E-01 | 7.57E-02 | 8.44E-01 | | 2.16 | 7.62E-02 | 7.28E-01 | 7.43E-02 | 8.44E-01 | | 2.18 | 7.48E-02 | 7.22E-01 | 7.29E-02 | 8.44E-01 | | 2.19 | 7.28E-02 | 7.22E-01 | 7.16E-02 | 8.44E-01 | | 2.21 | 7.15E-02 | 7.22E-01 | 7.02E-02 | 8.39E-01 | | 2.22 | 7.02E-02 | 7.22E-01 | 6.88E-02 | 8.39E-01 | | 2.24 | 6.89E-02 | 7.22E-01 | 6.79E-02 | 8.39E-01 | | 2.26 | 6.75E-02 | 7.22E-01 | 6.70E-02 | 8.39E-01 | | 2.27 | 6.69E-02 | 7.15E-01 | 6.61E-02 | 8.35E-01 | | 2.29 | 6.60E-02 | 7.15E-01 | 6.56E-02 | 8.35E-01 | | 2.31 | 6.54E-02 | 7.15E-01 | 6.51E-02 | 8.35E-01 | | 2.32 | 6.51E-02 | 7.15E-01 | 6.47E-02 | 8.35E-01 | | 2.34 | 6.50E-02 | 7.15E-01 | 6.47E-02 | 8.30E-01 | | 2.35 | 6.52E-02 | 7.15E-01 | 6.51E-02 | 8.30E-01 | | 2.37 | 6.56E-02 | 7.09E-01 | 6.56E-02 | 8.30E-01 | | 2.38 | 6.62E-02 | 7.09E-01 | 6.65E-02 | 8.30E-01 | | 2.4 | 6.69E-02 | 7.09E-01 | 6.74E-02 | 8.26E-01 | | 2.42 | 6.82E-02 | 7.09E-01 | 6.88E-02 | 8.26E-01 | | 2.43 | 6.95E-02 | 7.09E-01 | 7.02E-02 | 8.26E-01 | | 2.45 | 7.15E-02 | 7.09E-01 | 7.20E-02 | 8.26E-01 | | 2.46 | 7.35E-02 | 7.02E-01 | 7.43E-02 | 8.26E-01 | | 2.48 | 7.55E-02 | 7.02E-01 | 7.61E-02 | 8.21E-01 | | 2.49 | 7.75E-02 | 7.02E-01 | 7.84E-02 | 8.21E-01 | | 2.51 | 7.95E-02 | 7.02E-01 | 8.12E-02 | 8.21E-01 | | 2.53 | 8.21E-02 | 7.02E-01 | 8.35E-02 | 8.17E-01 | | 2.54 | 8.48E-02 | 7.02E-01 | 8.62E-02 | 8.17E-01 | | 2.56 | 8.74E-02 | 6.95E-01 | 8.90E-02 | 8.17E-01 | | 2.57 | 8.94E-02 | 6.95E-01 | 9.17E-02 | 8.17E-01 | | 2.59 | 9.21E-02 | 6.95E-01 | 9.50E-02 | 8.12E-01 | | 2.6 | 9.47E-02 | 6.95E-01 | 9.77E-02 | 8.12E-01 | | 2.62 | 9.74E-02 | 6.89E-01 | 1.00E-01 | 8.12E-01 | | 2.63 | 1.00E-01 | 6.89E-01 | 1.03E-01 | 8.07E-01 | | 2.65 | 1.03E-01 | 6.89E-01 | 1.06E-01 | 8.07E-01 | | 2.66 | 1.05E-01 | 6.89E-01 | 1.09E-01 | 8.07E-01 | | 2.68 | 1.07E-01 | 6.89E-01 | 1.11E-01 | 8.03E-01 | | 2.69 | 1.09E-01 | 6.82E-01 | 1.14E-01 | 8.03E-01 | | 2.71 | 1.11E-01 | 6.82E-01 | 1.16E-01 | 7.98E-01 | | 2.72 | 1.14E-01 | 6.82E-01 | 1.19E-01 | 7.98E-01 | | 2.74 | 1.16E-01 | 6.82E-01 | 1.21E-01 | 7.98E-01 | | 2.75 | 1.18E-01 | 6.75E-01 | 1.23E-01 | 7.94E-01 | | 2.77 | 1.20E-01 | 6.75E-01 | 1.26E-01 | 7.94E-01 | | 2.78 | 1.23E-01 | 6.75E-01 | 1.29E-01 | 7.89E-01 | | 2.8 | 1.26E-01 | 6.69E-01 | 1.32E-01 | 7.89E-01 |   Продолжение 3 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 2.81 | 1.28E-01 | 6.69E-01 | 1.35E-01 | 7.89E-01 | | 2.83 | 1.31E-01 | 6.69E-01 | 1.39E-01 | 7.84E-01 | | 2.84 | 1.34E-01 | 6.69E-01 | 1.42E-01 | 7.84E-01 | | 2.86 | 1.36E-01 | 6.62E-01 | 1.44E-01 | 7.80E-01 | | 2.87 | 1.39E-01 | 6.62E-01 | 1.48E-01 | 7.80E-01 | | 2.89 | 1.41E-01 | 6.60E-01 | 1.50E-01 | 7.75E-01 | | 2.9 | 1.44E-01 | 6.58E-01 | 1.53E-01 | 7.75E-01 | | 2.92 | 1.46E-01 | 6.56E-01 | 1.56E-01 | 7.71E-01 | | 2.93 | 1.48E-01 | 6.54E-01 | 1.58E-01 | 7.71E-01 | | 2.95 | 1.50E-01 | 6.51E-01 | 1.61E-01 | 7.66E-01 | | 2.96 | 1.52E-01 | 6.49E-01 | 1.63E-01 | 7.66E-01 | | 2.98 | 1.54E-01 | 6.47E-01 | 1.65E-01 | 7.61E-01 | | 2.99 | 1.56E-01 | 6.44E-01 | 1.67E-01 | 7.61E-01 | | 3 | 1.57E-01 | 6.42E-01 | 1.69E-01 | 7.57E-01 | | 3.02 | 1.58E-01 | 6.40E-01 | 1.71E-01 | 7.57E-01 | | 3.03 | 1.60E-01 | 6.38E-01 | 1.72E-01 | 7.52E-01 | | 3.05 | 1.61E-01 | 6.35E-01 | 1.74E-01 | 7.52E-01 | | 3.06 | 1.62E-01 | 6.33E-01 | 1.75E-01 | 7.48E-01 | | 3.08 | 1.63E-01 | 6.30E-01 | 1.76E-01 | 7.48E-01 | | 3.09 | 1.64E-01 | 6.28E-01 | 1.78E-01 | 7.43E-01 | | 3.11 | 1.64E-01 | 6.26E-01 | 1.78E-01 | 7.39E-01 | | 3.12 | 1.65E-01 | 6.24E-01 | 1.79E-01 | 7.39E-01 | | 3.13 | 1.66E-01 | 6.21E-01 | 1.80E-01 | 7.34E-01 | | 3.15 | 1.66E-01 | 6.19E-01 | 1.80E-01 | 7.34E-01 | | 3.16 | 1.66E-01 | 6.17E-01 | 1.81E-01 | 7.29E-01 | | 3.18 | 1.66E-01 | 6.15E-01 | 1.81E-01 | 7.29E-01 | | 3.19 | 1.66E-01 | 6.12E-01 | 1.81E-01 | 7.25E-01 | | 3.2 | 1.66E-01 | 6.09E-01 | 1.81E-01 | 7.20E-01 | | 3.22 | 1.66E-01 | 6.07E-01 | 1.81E-01 | 7.20E-01 | | 3.23 | 1.66E-01 | 6.05E-01 | 1.81E-01 | 7.16E-01 | | 3.25 | 1.65E-01 | 6.03E-01 | 1.81E-01 | 7.16E-01 | | 3.26 | 1.65E-01 | 6.00E-01 | 1.80E-01 | 7.11E-01 | | 3.28 | 1.64E-01 | 5.98E-01 | 1.80E-01 | 7.11E-01 | | 3.29 | 1.64E-01 | 5.95E-01 | 1.79E-01 | 7.06E-01 | | 3.3 | 1.63E-01 | 5.93E-01 | 1.78E-01 | 7.06E-01 | | 3.32 | 1.62E-01 | 5.91E-01 | 1.78E-01 | 7.02E-01 | | 3.33 | 1.61E-01 | 5.89E-01 | 1.77E-01 | 7.02E-01 | | 3.34 | 1.60E-01 | 5.87E-01 | 1.76E-01 | 6.97E-01 | | 3.36 | 1.60E-01 | 5.85E-01 | 1.75E-01 | 6.93E-01 | | 3.37 | 1.58E-01 | 5.82E-01 | 1.74E-01 | 6.93E-01 | | 3.39 | 1.57E-01 | 5.80E-01 | 1.73E-01 | 6.88E-01 | | 3.4 | 1.56E-01 | 5.78E-01 | 1.72E-01 | 6.88E-01 | | 3.41 | 1.55E-01 | 5.75E-01 | 1.71E-01 | 6.83E-01 | | 3.43 | 1.54E-01 | 5.74E-01 | 1.70E-01 | 6.83E-01 | | 3.44 | 1.53E-01 | 5.72E-01 | 1.69E-01 | 6.79E-01 | | 3.46 | 1.52E-01 | 5.70E-01 | 1.68E-01 | 6.79E-01 | | 3.47 | 1.51E-01 | 5.68E-01 | 1.67E-01 | 6.74E-01 |   Продолжение 4 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 3.48 | 1.50E-01 | 5.66E-01 | 1.66E-01 | 6.74E-01 | | 3.5 | 1.48E-01 | 5.64E-01 | 1.65E-01 | 6.70E-01 | | 3.51 | 1.48E-01 | 5.61E-01 | 1.64E-01 | 6.70E-01 | | 3.52 | 1.46E-01 | 5.59E-01 | 1.63E-01 | 6.65E-01 | | 3.54 | 1.46E-01 | 5.57E-01 | 1.61E-01 | 6.65E-01 | | 3.55 | 1.44E-01 | 5.56E-01 | 1.61E-01 | 6.61E-01 | | 3.56 | 1.44E-01 | 5.54E-01 | 1.60E-01 | 6.61E-01 | | 3.58 | 1.42E-01 | 5.52E-01 | 1.59E-01 | 6.61E-01 | | 3.59 | 1.42E-01 | 5.50E-01 | 1.58E-01 | 6.56E-01 | | 3.6 | 1.41E-01 | 5.48E-01 | 1.57E-01 | 6.56E-01 | | 3.62 | 1.40E-01 | 5.46E-01 | 1.56E-01 | 6.51E-01 | | 3.63 | 1.40E-01 | 5.44E-01 | 1.56E-01 | 6.51E-01 | | 3.65 | 1.39E-01 | 5.42E-01 | 1.56E-01 | 6.47E-01 | | 3.66 | 1.38E-01 | 5.40E-01 | 1.55E-01 | 6.47E-01 | | 3.67 | 1.38E-01 | 5.38E-01 | 1.54E-01 | 6.42E-01 | | 3.69 | 1.37E-01 | 5.36E-01 | 1.54E-01 | 6.42E-01 | | 3.7 | 1.37E-01 | 5.34E-01 | 1.54E-01 | 6.38E-01 | | 3.71 | 1.36E-01 | 5.32E-01 | 1.53E-01 | 6.38E-01 | | 3.73 | 1.36E-01 | 5.31E-01 | 1.53E-01 | 6.38E-01 | | 3.74 | 1.36E-01 | 5.29E-01 | 1.53E-01 | 6.33E-01 | | 3.75 | 1.36E-01 | 5.27E-01 | 1.53E-01 | 6.33E-01 | | 3.77 | 1.35E-01 | 5.26E-01 | 1.52E-01 | 6.28E-01 | | 3.78 | 1.35E-01 | 5.24E-01 | 1.52E-01 | 6.28E-01 | | 3.79 | 1.35E-01 | 5.22E-01 | 1.52E-01 | 6.24E-01 | | 3.8 | 1.35E-01 | 5.20E-01 | 1.52E-01 | 6.24E-01 | | 3.82 | 1.35E-01 | 5.19E-01 | 1.52E-01 | 6.19E-01 | | 3.83 | 1.35E-01 | 5.17E-01 | 1.53E-01 | 6.19E-01 | | 3.84 | 1.35E-01 | 5.15E-01 | 1.53E-01 | 6.19E-01 | | 3.86 | 1.35E-01 | 5.13E-01 | 1.53E-01 | 6.15E-01 | | 3.87 | 1.35E-01 | 5.11E-01 | 1.53E-01 | 6.15E-01 | | 3.88 | 1.35E-01 | 5.09E-01 | 1.53E-01 | 6.10E-01 | | 3.9 | 1.35E-01 | 5.08E-01 | 1.53E-01 | 6.10E-01 | | 3.91 | 1.35E-01 | 5.06E-01 | 1.53E-01 | 6.06E-01 | | 3.92 | 1.35E-01 | 5.04E-01 | 1.54E-01 | 6.06E-01 | | 3.94 | 1.35E-01 | 5.03E-01 | 1.54E-01 | 6.01E-01 | | 3.95 | 1.35E-01 | 5.01E-01 | 1.54E-01 | 6.01E-01 | | 3.96 | 1.35E-01 | 4.99E-01 | 1.54E-01 | 6.01E-01 | | 3.97 | 1.35E-01 | 4.97E-01 | 1.54E-01 | 5.96E-01 | | 3.99 | 1.35E-01 | 4.95E-01 | 1.54E-01 | 5.96E-01 | | 4 | 1.35E-01 | 4.94E-01 | 1.54E-01 | 5.92E-01 | | 4.01 | 1.35E-01 | 4.92E-01 | 1.54E-01 | 5.92E-01 | | 4.03 | 1.34E-01 | 4.90E-01 | 1.54E-01 | 5.87E-01 | | 4.04 | 1.34E-01 | 4.89E-01 | 1.54E-01 | 5.87E-01 | | 4.05 | 1.34E-01 | 4.87E-01 | 1.54E-01 | 5.87E-01 | | 4.07 | 1.34E-01 | 4.85E-01 | 1.54E-01 | 5.83E-01 | | 4.08 | 1.34E-01 | 4.83E-01 | 1.54E-01 | 5.83E-01 | | 4.09 | 1.34E-01 | 4.81E-01 | 1.53E-01 | 5.78E-01 |   Продолжение 5 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 4.1 | 1.34E-01 | 4.80E-01 | 1.53E-01 | 5.78E-01 | | 4.12 | 1.33E-01 | 4.78E-01 | 1.53E-01 | 5.73E-01 | | 4.13 | 1.33E-01 | 4.76E-01 | 1.52E-01 | 5.73E-01 | | 4.14 | 1.32E-01 | 4.75E-01 | 1.52E-01 | 5.73E-01 | | 4.15 | 1.32E-01 | 4.73E-01 | 1.52E-01 | 5.69E-01 | | 4.17 | 1.32E-01 | 4.72E-01 | 1.51E-01 | 5.69E-01 | | 4.18 | 1.31E-01 | 4.70E-01 | 1.51E-01 | 5.64E-01 | | 4.19 | 1.30E-01 | 4.68E-01 | 1.50E-01 | 5.64E-01 | | 4.21 | 1.30E-01 | 4.66E-01 | 1.50E-01 | 5.60E-01 | | 4.22 | 1.30E-01 | 4.65E-01 | 1.50E-01 | 5.60E-01 | | 4.23 | 1.29E-01 | 4.63E-01 | 1.49E-01 | 5.60E-01 | | 4.24 | 1.29E-01 | 4.62E-01 | 1.49E-01 | 5.55E-01 | | 4.26 | 1.28E-01 | 4.60E-01 | 1.48E-01 | 5.55E-01 | | 4.27 | 1.28E-01 | 4.58E-01 | 1.47E-01 | 5.50E-01 | | 4.28 | 1.27E-01 | 4.57E-01 | 1.47E-01 | 5.50E-01 | | 4.29 | 1.27E-01 | 4.55E-01 | 1.46E-01 | 5.50E-01 | | 4.31 | 1.26E-01 | 4.54E-01 | 1.46E-01 | 5.46E-01 | | 4.32 | 1.26E-01 | 4.52E-01 | 1.45E-01 | 5.46E-01 | | 4.33 | 1.26E-01 | 4.50E-01 | 1.45E-01 | 5.41E-01 | | 4.34 | 1.25E-01 | 4.49E-01 | 1.44E-01 | 5.41E-01 | | 4.36 | 1.25E-01 | 4.47E-01 | 1.44E-01 | 5.41E-01 | | 4.37 | 1.25E-01 | 4.46E-01 | 1.44E-01 | 5.37E-01 | | 4.38 | 1.24E-01 | 4.44E-01 | 1.44E-01 | 5.37E-01 | | 4.39 | 1.24E-01 | 4.42E-01 | 1.43E-01 | 5.32E-01 | | 4.41 | 1.24E-01 | 4.41E-01 | 1.43E-01 | 5.32E-01 | | 4.42 | 1.23E-01 | 4.40E-01 | 1.43E-01 | 5.32E-01 | | 4.43 | 1.23E-01 | 4.38E-01 | 1.43E-01 | 5.28E-01 | | 4.44 | 1.23E-01 | 4.36E-01 | 1.43E-01 | 5.28E-01 | | 4.46 | 1.23E-01 | 4.35E-01 | 1.43E-01 | 5.28E-01 | | 4.47 | 1.23E-01 | 4.33E-01 | 1.43E-01 | 5.23E-01 | | 4.48 | 1.23E-01 | 4.32E-01 | 1.43E-01 | 5.23E-01 | | 4.49 | 1.23E-01 | 4.30E-01 | 1.43E-01 | 5.18E-01 | | 4.51 | 1.23E-01 | 4.28E-01 | 1.43E-01 | 5.18E-01 | | 4.52 | 1.23E-01 | 4.27E-01 | 1.44E-01 | 5.18E-01 | | 4.53 | 1.24E-01 | 4.26E-01 | 1.44E-01 | 5.14E-01 | | 4.54 | 1.24E-01 | 4.24E-01 | 1.44E-01 | 5.14E-01 | | 4.56 | 1.24E-01 | 4.23E-01 | 1.44E-01 | 5.09E-01 | | 4.57 | 1.25E-01 | 4.21E-01 | 1.45E-01 | 5.09E-01 | | 4.58 | 1.25E-01 | 4.20E-01 | 1.45E-01 | 5.09E-01 | | 4.59 | 1.25E-01 | 4.18E-01 | 1.46E-01 | 5.05E-01 | | 4.6 | 1.26E-01 | 4.17E-01 | 1.47E-01 | 5.05E-01 | | 4.62 | 1.26E-01 | 4.15E-01 | 1.48E-01 | 5.05E-01 | | 4.63 | 1.27E-01 | 4.13E-01 | 1.48E-01 | 5.00E-01 | | 4.64 | 1.28E-01 | 4.12E-01 | 1.49E-01 | 5.00E-01 | | 4.65 | 1.28E-01 | 4.11E-01 | 1.50E-01 | 4.95E-01 | | 4.67 | 1.29E-01 | 4.09E-01 | 1.51E-01 | 4.95E-01 | | 4.68 | 1.30E-01 | 4.07E-01 | 1.52E-01 | 4.95E-01 |   Продолжение 6 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 4.69 | 1.30E-01 | 4.05E-01 | 1.53E-01 | 4.91E-01 | | 4.7 | 1.31E-01 | 4.04E-01 | 1.54E-01 | 4.91E-01 | | 4.71 | 1.32E-01 | 4.03E-01 | 1.55E-01 | 4.86E-01 | | 4.73 | 1.33E-01 | 4.01E-01 | 1.56E-01 | 4.86E-01 | | 4.74 | 1.34E-01 | 3.99E-01 | 1.57E-01 | 4.82E-01 | | 4.75 | 1.34E-01 | 3.97E-01 | 1.58E-01 | 4.82E-01 | | 4.76 | 1.36E-01 | 3.96E-01 | 1.59E-01 | 4.82E-01 | | 4.77 | 1.36E-01 | 3.94E-01 | 1.60E-01 | 4.77E-01 | | 4.79 | 1.37E-01 | 3.93E-01 | 1.61E-01 | 4.77E-01 | | 4.8 | 1.38E-01 | 3.91E-01 | 1.62E-01 | 4.72E-01 | | 4.81 | 1.39E-01 | 3.89E-01 | 1.63E-01 | 4.72E-01 | | 4.82 | 1.40E-01 | 3.87E-01 | 1.64E-01 | 4.72E-01 | | 4.83 | 1.40E-01 | 3.86E-01 | 1.65E-01 | 4.68E-01 | | 4.85 | 1.42E-01 | 3.84E-01 | 1.67E-01 | 4.68E-01 | | 4.86 | 1.42E-01 | 3.83E-01 | 1.67E-01 | 4.63E-01 | | 4.87 | 1.43E-01 | 3.81E-01 | 1.68E-01 | 4.63E-01 | | 4.88 | 1.44E-01 | 3.79E-01 | 1.69E-01 | 4.59E-01 | | 4.89 | 1.44E-01 | 3.77E-01 | 1.70E-01 | 4.58E-01 | | 4.91 | 1.45E-01 | 3.75E-01 | 1.71E-01 | 4.56E-01 | | 4.92 | 1.46E-01 | 3.74E-01 | 1.72E-01 | 4.54E-01 | | 4.93 | 1.46E-01 | 3.72E-01 | 1.73E-01 | 4.52E-01 | | 4.94 | 1.47E-01 | 3.70E-01 | 1.73E-01 | 4.50E-01 | | 4.95 | 1.48E-01 | 3.69E-01 | 1.74E-01 | 4.48E-01 | | 4.97 | 1.48E-01 | 3.67E-01 | 1.75E-01 | 4.46E-01 | | 4.98 | 1.48E-01 | 3.65E-01 | 1.75E-01 | 4.44E-01 | | 4.99 | 1.49E-01 | 3.64E-01 | 1.76E-01 | 4.42E-01 | | 5 | 1.49E-01 | 3.62E-01 | 1.76E-01 | 4.39E-01 | | 5.01 | 1.50E-01 | 3.60E-01 | 1.77E-01 | 4.38E-01 | | 5.03 | 1.50E-01 | 3.58E-01 | 1.77E-01 | 4.35E-01 | | 5.04 | 1.50E-01 | 3.56E-01 | 1.78E-01 | 4.33E-01 | | 5.05 | 1.50E-01 | 3.54E-01 | 1.78E-01 | 4.31E-01 | | 5.06 | 1.50E-01 | 3.53E-01 | 1.78E-01 | 4.29E-01 | | 5.07 | 1.50E-01 | 3.51E-01 | 1.78E-01 | 4.27E-01 | | 5.08 | 1.50E-01 | 3.49E-01 | 1.78E-01 | 4.25E-01 | | 5.1 | 1.50E-01 | 3.48E-01 | 1.78E-01 | 4.23E-01 | | 5.11 | 1.50E-01 | 3.46E-01 | 1.78E-01 | 4.21E-01 | | 5.12 | 1.50E-01 | 3.44E-01 | 1.77E-01 | 4.19E-01 | | 5.13 | 1.49E-01 | 3.42E-01 | 1.77E-01 | 4.17E-01 | | 5.14 | 1.49E-01 | 3.40E-01 | 1.77E-01 | 4.15E-01 | | 5.16 | 1.48E-01 | 3.38E-01 | 1.76E-01 | 4.12E-01 | | 5.17 | 1.48E-01 | 3.37E-01 | 1.76E-01 | 4.11E-01 | | 5.18 | 1.48E-01 | 3.35E-01 | 1.75E-01 | 4.08E-01 | | 5.19 | 1.47E-01 | 3.34E-01 | 1.74E-01 | 4.06E-01 | | 5.2 | 1.46E-01 | 3.32E-01 | 1.74E-01 | 4.04E-01 | | 5.21 | 1.46E-01 | 3.30E-01 | 1.73E-01 | 4.02E-01 | | 5.23 | 1.45E-01 | 3.28E-01 | 1.72E-01 | 4.00E-01 | | 5.24 | 1.44E-01 | 3.26E-01 | 1.71E-01 | 3.98E-01 |   Продолжение 7 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 5.25 | 1.44E-01 | 3.25E-01 | 1.70E-01 | 3.96E-01 | | 5.26 | 1.42E-01 | 3.23E-01 | 1.69E-01 | 3.94E-01 | | 5.27 | 1.42E-01 | 3.22E-01 | 1.68E-01 | 3.92E-01 | | 5.28 | 1.40E-01 | 3.20E-01 | 1.67E-01 | 3.90E-01 | | 5.29 | 1.40E-01 | 3.19E-01 | 1.66E-01 | 3.89E-01 | | 5.31 | 1.38E-01 | 3.17E-01 | 1.65E-01 | 3.87E-01 | | 5.32 | 1.38E-01 | 3.15E-01 | 1.64E-01 | 3.85E-01 | | 5.33 | 1.36E-01 | 3.14E-01 | 1.62E-01 | 3.83E-01 | | 5.34 | 1.35E-01 | 3.12E-01 | 1.61E-01 | 3.81E-01 | | 5.35 | 1.34E-01 | 3.11E-01 | 1.60E-01 | 3.79E-01 | | 5.36 | 1.33E-01 | 3.09E-01 | 1.58E-01 | 3.77E-01 | | 5.38 | 1.32E-01 | 3.07E-01 | 1.57E-01 | 3.75E-01 | | 5.39 | 1.30E-01 | 3.06E-01 | 1.55E-01 | 3.73E-01 | | 5.4 | 1.29E-01 | 3.05E-01 | 1.54E-01 | 3.72E-01 | | 5.41 | 1.28E-01 | 3.03E-01 | 1.52E-01 | 3.70E-01 | | 5.42 | 1.26E-01 | 3.01E-01 | 1.50E-01 | 3.68E-01 | | 5.43 | 1.25E-01 | 3.00E-01 | 1.49E-01 | 3.67E-01 | | 5.44 | 1.24E-01 | 2.99E-01 | 1.47E-01 | 3.65E-01 | | 5.46 | 1.22E-01 | 2.97E-01 | 1.45E-01 | 3.63E-01 | | 5.47 | 1.21E-01 | 2.96E-01 | 1.44E-01 | 3.61E-01 | | 5.48 | 1.19E-01 | 2.95E-01 | 1.42E-01 | 3.60E-01 | | 5.49 | 1.18E-01 | 2.93E-01 | 1.40E-01 | 3.58E-01 | | 5.5 | 1.17E-01 | 2.92E-01 | 1.39E-01 | 3.57E-01 | | 5.51 | 1.15E-01 | 2.91E-01 | 1.37E-01 | 3.55E-01 | | 5.52 | 1.13E-01 | 2.89E-01 | 1.35E-01 | 3.54E-01 | | 5.54 | 1.12E-01 | 2.88E-01 | 1.33E-01 | 3.52E-01 | | 5.55 | 1.11E-01 | 2.87E-01 | 1.32E-01 | 3.50E-01 | | 5.56 | 1.09E-01 | 2.85E-01 | 1.30E-01 | 3.49E-01 | | 5.57 | 1.07E-01 | 2.84E-01 | 1.28E-01 | 3.48E-01 | | 5.58 | 1.06E-01 | 2.83E-01 | 1.26E-01 | 3.46E-01 | | 5.59 | 1.04E-01 | 2.81E-01 | 1.24E-01 | 3.45E-01 | | 5.6 | 1.03E-01 | 2.81E-01 | 1.22E-01 | 3.43E-01 | | 5.62 | 1.01E-01 | 2.79E-01 | 1.21E-01 | 3.42E-01 | | 5.63 | 9.93E-02 | 2.78E-01 | 1.19E-01 | 3.41E-01 | | 5.64 | 9.80E-02 | 2.77E-01 | 1.17E-01 | 3.39E-01 | | 5.65 | 9.67E-02 | 2.76E-01 | 1.16E-01 | 3.38E-01 | | 5.66 | 9.47E-02 | 2.75E-01 | 1.14E-01 | 3.37E-01 | | 5.67 | 9.34E-02 | 2.74E-01 | 1.12E-01 | 3.35E-01 | | 5.68 | 9.21E-02 | 2.73E-01 | 1.10E-01 | 3.34E-01 | | 5.69 | 9.01E-02 | 2.72E-01 | 1.08E-01 | 3.33E-01 | | 5.71 | 8.87E-02 | 2.71E-01 | 1.06E-01 | 3.32E-01 | | 5.72 | 8.74E-02 | 2.70E-01 | 1.05E-01 | 3.31E-01 | | 5.73 | 8.54E-02 | 2.69E-01 | 1.03E-01 | 3.29E-01 | | 5.74 | 8.41E-02 | 2.68E-01 | 1.01E-01 | 3.28E-01 | | 5.75 | 8.28E-02 | 2.67E-01 | 9.91E-02 | 3.27E-01 | | 5.76 | 8.08E-02 | 2.66E-01 | 9.72E-02 | 3.26E-01 | | 5.77 | 7.95E-02 | 2.65E-01 | 9.54E-02 | 3.25E-01 |   Продолжение 8 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 5.78 | 7.81E-02 | 2.64E-01 | 9.40E-02 | 3.24E-01 | | 5.8 | 7.68E-02 | 2.64E-01 | 9.27E-02 | 3.23E-01 | | 5.81 | 7.55E-02 | 2.62E-01 | 9.08E-02 | 3.22E-01 | | 5.82 | 7.48E-02 | 2.62E-01 | 8.94E-02 | 3.21E-01 | | 5.83 | 7.35E-02 | 2.61E-01 | 8.81E-02 | 3.20E-01 | | 5.84 | 7.22E-02 | 2.60E-01 | 8.67E-02 | 3.19E-01 | | 5.85 | 7.15E-02 | 2.60E-01 | 8.58E-02 | 3.18E-01 | | 5.86 | 7.02E-02 | 2.58E-01 | 8.44E-02 | 3.17E-01 | | 5.87 | 6.95E-02 | 2.58E-01 | 8.35E-02 | 3.16E-01 | | 5.88 | 6.82E-02 | 2.57E-01 | 8.21E-02 | 3.15E-01 | | 5.9 | 6.75E-02 | 2.56E-01 | 8.12E-02 | 3.14E-01 | | 5.91 | 6.69E-02 | 2.56E-01 | 8.03E-02 | 3.13E-01 | | 5.92 | 6.60E-02 | 2.55E-01 | 7.94E-02 | 3.12E-01 | | 5.93 | 6.54E-02 | 2.54E-01 | 7.84E-02 | 3.11E-01 | | 5.94 | 6.48E-02 | 2.53E-01 | 7.80E-02 | 3.11E-01 | | 5.95 | 6.42E-02 | 2.52E-01 | 7.71E-02 | 3.10E-01 | | 5.96 | 6.36E-02 | 2.52E-01 | 7.66E-02 | 3.09E-01 | | 5.97 | 6.32E-02 | 2.51E-01 | 7.61E-02 | 3.08E-01 | | 5.98 | 6.28E-02 | 2.50E-01 | 7.57E-02 | 3.07E-01 | | 6 | 6.25E-02 | 2.50E-01 | 7.52E-02 | 3.06E-01 | | 6.01 | 6.21E-02 | 2.49E-01 | 7.48E-02 | 3.06E-01 | | 6.02 | 6.19E-02 | 2.48E-01 | 7.48E-02 | 3.05E-01 | | 6.03 | 6.17E-02 | 2.48E-01 | 7.43E-02 | 3.04E-01 | | 6.04 | 6.15E-02 | 2.47E-01 | 7.43E-02 | 3.03E-01 | | 6.05 | 6.15E-02 | 2.46E-01 | 7.39E-02 | 3.02E-01 | | 6.06 | 6.14E-02 | 2.46E-01 | 7.39E-02 | 3.01E-01 | | 6.07 | 6.15E-02 | 2.45E-01 | 7.39E-02 | 3.00E-01 | | 6.08 | 6.15E-02 | 2.44E-01 | 7.43E-02 | 3.00E-01 | | 6.09 | 6.16E-02 | 2.44E-01 | 7.43E-02 | 2.99E-01 | | 6.11 | 6.18E-02 | 2.43E-01 | 7.43E-02 | 2.98E-01 | | 6.12 | 6.20E-02 | 2.42E-01 | 7.48E-02 | 2.97E-01 | | 6.13 | 6.22E-02 | 2.42E-01 | 7.52E-02 | 2.97E-01 | | 6.14 | 6.25E-02 | 2.41E-01 | 7.52E-02 | 2.96E-01 | | 6.15 | 6.28E-02 | 2.40E-01 | 7.57E-02 | 2.95E-01 | | 6.16 | 6.32E-02 | 2.40E-01 | 7.61E-02 | 2.94E-01 | | 6.17 | 6.36E-02 | 2.39E-01 | 7.66E-02 | 2.93E-01 | | 6.18 | 6.40E-02 | 2.38E-01 | 7.75E-02 | 2.92E-01 | | 6.19 | 6.45E-02 | 2.38E-01 | 7.80E-02 | 2.92E-01 | | 6.2 | 6.50E-02 | 2.37E-01 | 7.84E-02 | 2.91E-01 | | 6.21 | 6.56E-02 | 2.36E-01 | 7.94E-02 | 2.90E-01 | | 6.23 | 6.61E-02 | 2.35E-01 | 7.98E-02 | 2.89E-01 | | 6.24 | 6.69E-02 | 2.34E-01 | 8.07E-02 | 2.88E-01 | | 6.25 | 6.75E-02 | 2.34E-01 | 8.12E-02 | 2.87E-01 | | 6.26 | 6.82E-02 | 2.33E-01 | 8.21E-02 | 2.86E-01 | | 6.27 | 6.89E-02 | 2.32E-01 | 8.30E-02 | 2.85E-01 | | 6.28 | 6.95E-02 | 2.32E-01 | 8.39E-02 | 2.84E-01 | | 6.29 | 7.02E-02 | 2.31E-01 | 8.49E-02 | 2.83E-01 |   Продолжение 9 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 6.3 | 7.09E-02 | 2.30E-01 | 8.53E-02 | 2.83E-01 | | 6.31 | 7.15E-02 | 2.29E-01 | 8.62E-02 | 2.82E-01 | | 6.32 | 7.22E-02 | 2.28E-01 | 8.72E-02 | 2.81E-01 | | 6.33 | 7.28E-02 | 2.28E-01 | 8.81E-02 | 2.80E-01 | | 6.35 | 7.35E-02 | 2.27E-01 | 8.90E-02 | 2.79E-01 | | 6.36 | 7.42E-02 | 2.26E-01 | 8.99E-02 | 2.78E-01 | | 6.37 | 7.48E-02 | 2.25E-01 | 9.08E-02 | 2.77E-01 | | 6.38 | 7.55E-02 | 2.25E-01 | 9.17E-02 | 2.76E-01 | | 6.39 | 7.62E-02 | 2.24E-01 | 9.27E-02 | 2.75E-01 | | 6.4 | 7.75E-02 | 2.23E-01 | 9.36E-02 | 2.74E-01 | | 6.41 | 7.81E-02 | 2.22E-01 | 9.45E-02 | 2.73E-01 | | 6.42 | 7.88E-02 | 2.21E-01 | 9.54E-02 | 2.72E-01 | | 6.43 | 7.95E-02 | 2.21E-01 | 9.59E-02 | 2.71E-01 | | 6.44 | 8.01E-02 | 2.20E-01 | 9.68E-02 | 2.70E-01 | | 6.45 | 8.08E-02 | 2.19E-01 | 9.77E-02 | 2.69E-01 | | 6.46 | 8.15E-02 | 2.18E-01 | 9.86E-02 | 2.68E-01 | | 6.47 | 8.21E-02 | 2.17E-01 | 9.91E-02 | 2.67E-01 | | 6.48 | 8.21E-02 | 2.16E-01 | 1.00E-01 | 2.66E-01 | | 6.5 | 8.28E-02 | 2.15E-01 | 1.01E-01 | 2.65E-01 | | 6.51 | 8.34E-02 | 2.15E-01 | 1.01E-01 | 2.64E-01 | | 6.52 | 8.41E-02 | 2.13E-01 | 1.02E-01 | 2.62E-01 | | 6.53 | 8.48E-02 | 2.13E-01 | 1.03E-01 | 2.61E-01 | | 6.54 | 8.48E-02 | 2.12E-01 | 1.03E-01 | 2.60E-01 | | 6.55 | 8.54E-02 | 2.11E-01 | 1.04E-01 | 2.59E-01 | | 6.56 | 8.61E-02 | 2.10E-01 | 1.04E-01 | 2.58E-01 | | 6.57 | 8.61E-02 | 2.09E-01 | 1.05E-01 | 2.57E-01 | | 6.58 | 8.68E-02 | 2.08E-01 | 1.05E-01 | 2.56E-01 | | 6.59 | 8.68E-02 | 2.07E-01 | 1.06E-01 | 2.55E-01 | | 6.6 | 8.74E-02 | 2.06E-01 | 1.06E-01 | 2.54E-01 | | 6.61 | 8.74E-02 | 2.05E-01 | 1.06E-01 | 2.52E-01 | | 6.62 | 8.74E-02 | 2.04E-01 | 1.06E-01 | 2.51E-01 | | 6.63 | 8.81E-02 | 2.03E-01 | 1.07E-01 | 2.50E-01 | | 6.64 | 8.81E-02 | 2.03E-01 | 1.07E-01 | 2.49E-01 | | 6.66 | 8.81E-02 | 2.01E-01 | 1.07E-01 | 2.48E-01 | | 6.67 | 8.81E-02 | 2.01E-01 | 1.07E-01 | 2.47E-01 | | 6.68 | 8.81E-02 | 1.99E-01 | 1.07E-01 | 2.46E-01 | | 6.69 | 8.81E-02 | 1.99E-01 | 1.07E-01 | 2.44E-01 | | 6.7 | 8.81E-02 | 1.98E-01 | 1.07E-01 | 2.44E-01 | | 6.71 | 8.81E-02 | 1.97E-01 | 1.07E-01 | 2.42E-01 | | 6.72 | 8.81E-02 | 1.96E-01 | 1.07E-01 | 2.41E-01 | | 6.73 | 8.81E-02 | 1.95E-01 | 1.07E-01 | 2.40E-01 | | 6.74 | 8.81E-02 | 1.94E-01 | 1.07E-01 | 2.39E-01 | | 6.75 | 8.81E-02 | 1.93E-01 | 1.07E-01 | 2.38E-01 | | 6.76 | 8.81E-02 | 1.92E-01 | 1.07E-01 | 2.37E-01 | | 6.77 | 8.74E-02 | 1.91E-01 | 1.07E-01 | 2.35E-01 | | 6.78 | 8.74E-02 | 1.90E-01 | 1.06E-01 | 2.34E-01 | | 6.79 | 8.74E-02 | 1.89E-01 | 1.06E-01 | 2.33E-01 |   Продолжение 10 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 6.8 | 8.74E-02 | 1.89E-01 | 1.06E-01 | 2.32E-01 | | 6.81 | 8.68E-02 | 1.87E-01 | 1.06E-01 | 2.31E-01 | | 6.82 | 8.68E-02 | 1.87E-01 | 1.06E-01 | 2.30E-01 | | 6.83 | 8.61E-02 | 1.85E-01 | 1.05E-01 | 2.29E-01 | | 6.84 | 8.61E-02 | 1.85E-01 | 1.05E-01 | 2.28E-01 | | 6.86 | 8.54E-02 | 1.84E-01 | 1.05E-01 | 2.27E-01 | | 6.87 | 8.54E-02 | 1.83E-01 | 1.04E-01 | 2.26E-01 | | 6.88 | 8.54E-02 | 1.82E-01 | 1.04E-01 | 2.24E-01 | | 6.89 | 8.48E-02 | 1.81E-01 | 1.03E-01 | 2.23E-01 | | 6.9 | 8.48E-02 | 1.80E-01 | 1.03E-01 | 2.22E-01 | | 6.91 | 8.41E-02 | 1.79E-01 | 1.03E-01 | 2.21E-01 | | 6.92 | 8.41E-02 | 1.79E-01 | 1.02E-01 | 2.20E-01 | | 6.93 | 8.34E-02 | 1.77E-01 | 1.02E-01 | 2.19E-01 | | 6.94 | 8.34E-02 | 1.77E-01 | 1.01E-01 | 2.18E-01 | | 6.95 | 8.28E-02 | 1.76E-01 | 1.01E-01 | 2.17E-01 | | 6.96 | 8.28E-02 | 1.75E-01 | 1.01E-01 | 2.16E-01 | | 6.97 | 8.21E-02 | 1.74E-01 | 1.00E-01 | 2.15E-01 | | 6.98 | 8.21E-02 | 1.74E-01 | 1.00E-01 | 2.14E-01 | | 6.99 | 8.15E-02 | 1.73E-01 | 9.95E-02 | 2.13E-01 | | 7 | 8.15E-02 | 1.72E-01 | 9.95E-02 | 2.11E-01 | | 7.01 | 8.08E-02 | 1.71E-01 | 9.91E-02 | 2.11E-01 | | 7.02 | 8.08E-02 | 1.70E-01 | 9.86E-02 | 2.10E-01 | | 7.03 | 8.08E-02 | 1.70E-01 | 9.86E-02 | 2.09E-01 | | 7.04 | 8.01E-02 | 1.68E-01 | 9.82E-02 | 2.08E-01 | | 7.05 | 8.01E-02 | 1.68E-01 | 9.77E-02 | 2.06E-01 | | 7.06 | 8.01E-02 | 1.67E-01 | 9.77E-02 | 2.06E-01 | | 7.07 | 7.95E-02 | 1.66E-01 | 9.72E-02 | 2.05E-01 | | 7.08 | 7.95E-02 | 1.65E-01 | 9.72E-02 | 2.04E-01 | | 7.09 | 7.95E-02 | 1.64E-01 | 9.72E-02 | 2.03E-01 | | 7.1 | 7.95E-02 | 1.64E-01 | 9.68E-02 | 2.01E-01 | | 7.12 | 7.88E-02 | 1.63E-01 | 9.68E-02 | 2.00E-01 | | 7.13 | 7.88E-02 | 1.62E-01 | 9.68E-02 | 2.00E-01 | | 7.14 | 7.88E-02 | 1.61E-01 | 9.68E-02 | 1.99E-01 | | 7.15 | 7.88E-02 | 1.60E-01 | 9.63E-02 | 1.98E-01 | | 7.16 | 7.88E-02 | 1.60E-01 | 9.63E-02 | 1.96E-01 | | 7.17 | 7.88E-02 | 1.58E-01 | 9.63E-02 | 1.95E-01 | | 7.18 | 7.88E-02 | 1.58E-01 | 9.63E-02 | 1.94E-01 | | 7.19 | 7.88E-02 | 1.57E-01 | 9.63E-02 | 1.94E-01 | | 7.2 | 7.88E-02 | 1.56E-01 | 9.68E-02 | 1.93E-01 | | 7.21 | 7.88E-02 | 1.56E-01 | 9.68E-02 | 1.92E-01 | | 7.22 | 7.88E-02 | 1.54E-01 | 9.68E-02 | 1.91E-01 | | 7.23 | 7.88E-02 | 1.54E-01 | 9.68E-02 | 1.89E-01 | | 7.24 | 7.95E-02 | 1.53E-01 | 9.68E-02 | 1.89E-01 | | 7.25 | 7.95E-02 | 1.52E-01 | 9.72E-02 | 1.88E-01 | | 7.26 | 7.95E-02 | 1.51E-01 | 9.72E-02 | 1.87E-01 | | 7.27 | 7.95E-02 | 1.50E-01 | 9.77E-02 | 1.86E-01 | | 7.28 | 8.01E-02 | 1.50E-01 | 9.77E-02 | 1.84E-01 |   Продолжение 11 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 7.29 | 8.01E-02 | 1.49E-01 | 9.82E-02 | 1.83E-01 | | 7.3 | 8.01E-02 | 1.48E-01 | 9.82E-02 | 1.83E-01 | | 7.31 | 8.01E-02 | 1.47E-01 | 9.86E-02 | 1.82E-01 | | 7.32 | 8.08E-02 | 1.46E-01 | 9.86E-02 | 1.81E-01 | | 7.33 | 8.08E-02 | 1.46E-01 | 9.91E-02 | 1.80E-01 | | 7.34 | 8.08E-02 | 1.44E-01 | 9.91E-02 | 1.78E-01 | | 7.35 | 8.15E-02 | 1.44E-01 | 9.95E-02 | 1.78E-01 | | 7.36 | 8.15E-02 | 1.43E-01 | 1.00E-01 | 1.77E-01 | | 7.37 | 8.15E-02 | 1.42E-01 | 1.00E-01 | 1.76E-01 | | 7.38 | 8.21E-02 | 1.41E-01 | 1.00E-01 | 1.74E-01 | | 7.39 | 8.21E-02 | 1.40E-01 | 1.01E-01 | 1.73E-01 | | 7.4 | 8.28E-02 | 1.40E-01 | 1.01E-01 | 1.72E-01 | | 7.41 | 8.28E-02 | 1.39E-01 | 1.01E-01 | 1.72E-01 | | 7.42 | 8.28E-02 | 1.38E-01 | 1.02E-01 | 1.70E-01 | | 7.43 | 8.34E-02 | 1.37E-01 | 1.02E-01 | 1.69E-01 | | 7.44 | 8.34E-02 | 1.36E-01 | 1.02E-01 | 1.68E-01 | | 7.45 | 8.34E-02 | 1.36E-01 | 1.03E-01 | 1.67E-01 | | 7.46 | 8.41E-02 | 1.34E-01 | 1.03E-01 | 1.66E-01 | | 7.47 | 8.41E-02 | 1.34E-01 | 1.03E-01 | 1.65E-01 | | 7.48 | 8.41E-02 | 1.33E-01 | 1.03E-01 | 1.64E-01 | | 7.49 | 8.48E-02 | 1.32E-01 | 1.04E-01 | 1.63E-01 | | 7.5 | 8.48E-02 | 1.31E-01 | 1.04E-01 | 1.62E-01 | | 7.51 | 8.48E-02 | 1.30E-01 | 1.04E-01 | 1.61E-01 | | 7.52 | 8.48E-02 | 1.30E-01 | 1.04E-01 | 1.60E-01 | | 7.53 | 8.54E-02 | 1.28E-01 | 1.05E-01 | 1.59E-01 | | 7.54 | 8.54E-02 | 1.28E-01 | 1.05E-01 | 1.58E-01 | | 7.55 | 8.54E-02 | 1.27E-01 | 1.05E-01 | 1.57E-01 | | 7.56 | 8.54E-02 | 1.26E-01 | 1.05E-01 | 1.56E-01 | | 7.57 | 8.54E-02 | 1.25E-01 | 1.05E-01 | 1.55E-01 | | 7.58 | 8.61E-02 | 1.25E-01 | 1.06E-01 | 1.54E-01 | | 7.59 | 8.61E-02 | 1.23E-01 | 1.06E-01 | 1.53E-01 | | 7.6 | 8.61E-02 | 1.23E-01 | 1.06E-01 | 1.51E-01 | | 7.61 | 8.61E-02 | 1.22E-01 | 1.06E-01 | 1.50E-01 | | 7.62 | 8.61E-02 | 1.21E-01 | 1.06E-01 | 1.50E-01 | | 7.63 | 8.61E-02 | 1.20E-01 | 1.06E-01 | 1.48E-01 | | 7.64 | 8.61E-02 | 1.19E-01 | 1.06E-01 | 1.47E-01 | | 7.65 | 8.61E-02 | 1.19E-01 | 1.06E-01 | 1.46E-01 | | 7.66 | 8.61E-02 | 1.17E-01 | 1.06E-01 | 1.45E-01 | | 7.67 | 8.61E-02 | 1.17E-01 | 1.06E-01 | 1.44E-01 | | 7.68 | 8.61E-02 | 1.16E-01 | 1.06E-01 | 1.43E-01 | | 7.69 | 8.61E-02 | 1.15E-01 | 1.06E-01 | 1.42E-01 | | 7.7 | 8.61E-02 | 1.14E-01 | 1.06E-01 | 1.41E-01 | | 7.71 | 8.54E-02 | 1.13E-01 | 1.06E-01 | 1.40E-01 | | 7.72 | 8.54E-02 | 1.13E-01 | 1.05E-01 | 1.39E-01 | | 7.73 | 8.54E-02 | 1.11E-01 | 1.05E-01 | 1.38E-01 | | 7.74 | 8.54E-02 | 1.11E-01 | 1.05E-01 | 1.37E-01 | | 7.75 | 8.54E-02 | 1.10E-01 | 1.05E-01 | 1.36E-01 |   Продолжение 12 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 7.76 | 8.48E-02 | 1.09E-01 | 1.05E-01 | 1.34E-01 | | 7.77 | 8.48E-02 | 1.08E-01 | 1.05E-01 | 1.33E-01 | | 7.78 | 8.48E-02 | 1.07E-01 | 1.04E-01 | 1.33E-01 | | 7.79 | 8.48E-02 | 1.07E-01 | 1.04E-01 | 1.32E-01 | | 7.8 | 8.41E-02 | 1.05E-01 | 1.04E-01 | 1.30E-01 | | 7.81 | 8.41E-02 | 1.05E-01 | 1.04E-01 | 1.29E-01 | | 7.82 | 8.41E-02 | 1.04E-01 | 1.03E-01 | 1.28E-01 | | 7.83 | 8.34E-02 | 1.03E-01 | 1.03E-01 | 1.28E-01 | | 7.84 | 8.34E-02 | 1.02E-01 | 1.03E-01 | 1.26E-01 | | 7.85 | 8.34E-02 | 1.01E-01 | 1.02E-01 | 1.25E-01 | | 7.86 | 8.28E-02 | 1.01E-01 | 1.02E-01 | 1.24E-01 | | 7.87 | 8.28E-02 | 1.00E-01 | 1.02E-01 | 1.23E-01 | | 7.88 | 8.28E-02 | 9.87E-02 | 1.01E-01 | 1.22E-01 | | 7.89 | 8.21E-02 | 9.80E-02 | 1.01E-01 | 1.21E-01 | | 7.9 | 8.21E-02 | 9.74E-02 | 1.01E-01 | 1.20E-01 | | 7.91 | 8.15E-02 | 9.67E-02 | 1.00E-01 | 1.19E-01 | | 7.92 | 8.15E-02 | 9.54E-02 | 1.00E-01 | 1.18E-01 | | 7.93 | 8.15E-02 | 9.47E-02 | 1.00E-01 | 1.17E-01 | | 7.94 | 8.08E-02 | 9.40E-02 | 9.95E-02 | 1.17E-01 | | 7.95 | 8.08E-02 | 9.34E-02 | 9.91E-02 | 1.15E-01 | | 7.96 | 8.01E-02 | 9.27E-02 | 9.91E-02 | 1.14E-01 | | 7.97 | 8.01E-02 | 9.14E-02 | 9.86E-02 | 1.13E-01 | | 7.98 | 7.95E-02 | 9.07E-02 | 9.82E-02 | 1.12E-01 | | 7.99 | 7.95E-02 | 9.01E-02 | 9.77E-02 | 1.11E-01 | | 8 | 7.88E-02 | 8.94E-02 | 9.72E-02 | 1.11E-01 | | 8.01 | 7.88E-02 | 8.87E-02 | 9.68E-02 | 1.10E-01 | | 8.02 | 7.81E-02 | 8.74E-02 | 9.68E-02 | 1.09E-01 | | 8.03 | 7.81E-02 | 8.68E-02 | 9.63E-02 | 1.08E-01 | | 8.04 | 7.75E-02 | 8.61E-02 | 9.59E-02 | 1.07E-01 | | 8.05 | 7.75E-02 | 8.54E-02 | 9.54E-02 | 1.06E-01 | | 8.06 | 7.68E-02 | 8.48E-02 | 9.50E-02 | 1.05E-01 | | 8.07 | 7.68E-02 | 8.41E-02 | 9.45E-02 | 1.04E-01 | | 8.08 | 7.62E-02 | 8.34E-02 | 9.40E-02 | 1.03E-01 | | 8.09 | 7.62E-02 | 8.21E-02 | 9.36E-02 | 1.02E-01 | | 8.1 | 7.55E-02 | 8.15E-02 | 9.31E-02 | 1.01E-01 | | 8.11 | 7.55E-02 | 8.08E-02 | 9.27E-02 | 1.00E-01 | | 8.12 | 7.48E-02 | 8.01E-02 | 9.22E-02 | 9.95E-02 | | 8.13 | 7.42E-02 | 7.95E-02 | 9.17E-02 | 9.86E-02 | | 8.14 | 7.42E-02 | 7.88E-02 | 9.13E-02 | 9.77E-02 | | 8.15 | 7.35E-02 | 7.81E-02 | 9.08E-02 | 9.68E-02 | | 8.16 | 7.28E-02 | 7.75E-02 | 8.99E-02 | 9.59E-02 | | 8.17 | 7.28E-02 | 7.68E-02 | 8.94E-02 | 9.50E-02 | | 8.18 | 7.22E-02 | 7.62E-02 | 8.90E-02 | 9.40E-02 | | 8.19 | 7.15E-02 | 7.55E-02 | 8.85E-02 | 9.31E-02 | | 8.2 | 7.15E-02 | 7.42E-02 | 8.76E-02 | 9.22E-02 | | 8.21 | 7.09E-02 | 7.35E-02 | 8.72E-02 | 9.13E-02 | | 8.22 | 7.02E-02 | 7.28E-02 | 8.67E-02 | 9.04E-02 |   Продолжение 13 **таблицы1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 8.23 | 6.95E-02 | 7.22E-02 | 8.58E-02 | 8.99E-02 | | 8.24 | 6.89E-02 | 7.15E-02 | 8.53E-02 | 8.90E-02 | | 8.25 | 6.89E-02 | 7.09E-02 | 8.44E-02 | 8.81E-02 | | 8.26 | 6.82E-02 | 7.02E-02 | 8.39E-02 | 8.72E-02 | | 8.27 | 6.75E-02 | 6.95E-02 | 8.30E-02 | 8.62E-02 | | 8.28 | 6.69E-02 | 6.89E-02 | 8.26E-02 | 8.58E-02 | | 8.29 | 6.62E-02 | 6.82E-02 | 8.17E-02 | 8.49E-02 | | 8.3 | 6.56E-02 | 6.75E-02 | 8.12E-02 | 8.39E-02 | | 8.31 | 6.50E-02 | 6.69E-02 | 8.03E-02 | 8.30E-02 | | 8.32 | 6.44E-02 | 6.62E-02 | 7.94E-02 | 8.26E-02 | | 8.32 | 6.37E-02 | 6.59E-02 | 7.84E-02 | 8.17E-02 | | 8.33 | 6.30E-02 | 6.53E-02 | 7.75E-02 | 8.07E-02 | | 8.34 | 6.23E-02 | 6.47E-02 | 7.71E-02 | 8.03E-02 | | 8.35 | 6.16E-02 | 6.41E-02 | 7.61E-02 | 7.94E-02 | | 8.36 | 6.08E-02 | 6.35E-02 | 7.52E-02 | 7.89E-02 | | 8.37 | 6.01E-02 | 6.29E-02 | 7.43E-02 | 7.80E-02 | | 8.38 | 5.93E-02 | 6.23E-02 | 7.34E-02 | 7.75E-02 | | 8.39 | 5.85E-02 | 6.18E-02 | 7.20E-02 | 7.66E-02 | | 8.4 | 5.77E-02 | 6.12E-02 | 7.11E-02 | 7.57E-02 | | 8.41 | 5.69E-02 | 6.07E-02 | 7.02E-02 | 7.52E-02 | | 8.42 | 5.60E-02 | 6.01E-02 | 6.93E-02 | 7.43E-02 | | 8.43 | 5.52E-02 | 5.96E-02 | 6.83E-02 | 7.39E-02 | | 8.44 | 5.43E-02 | 5.91E-02 | 6.70E-02 | 7.34E-02 | | 8.45 | 5.34E-02 | 5.85E-02 | 6.61E-02 | 7.25E-02 | | 8.46 | 5.25E-02 | 5.80E-02 | 6.47E-02 | 7.20E-02 | | 8.47 | 5.16E-02 | 5.75E-02 | 6.38E-02 | 7.16E-02 | | 8.48 | 5.07E-02 | 5.70E-02 | 6.24E-02 | 7.06E-02 | | 8.49 | 4.97E-02 | 5.66E-02 | 6.15E-02 | 7.02E-02 | | 8.5 | 4.87E-02 | 5.61E-02 | 6.01E-02 | 6.97E-02 | | 8.51 | 4.77E-02 | 5.56E-02 | 5.87E-02 | 6.88E-02 | | 8.52 | 4.67E-02 | 5.52E-02 | 5.78E-02 | 6.83E-02 | | 8.53 | 4.57E-02 | 5.47E-02 | 5.64E-02 | 6.79E-02 | | 8.54 | 4.46E-02 | 5.42E-02 | 5.50E-02 | 6.74E-02 | | 8.55 | 4.36E-02 | 5.38E-02 | 5.37E-02 | 6.70E-02 | | 8.56 | 4.25E-02 | 5.34E-02 | 5.23E-02 | 6.65E-02 | | 8.57 | 4.14E-02 | 5.30E-02 | 5.14E-02 | 6.56E-02 | | 8.58 | 4.03E-02 | 5.26E-02 | 5.00E-02 | 6.51E-02 | | 8.59 | 3.91E-02 | 5.23E-02 | 4.82E-02 | 6.47E-02 | | 8.59 | 3.80E-02 | 5.19E-02 | 4.68E-02 | 6.42E-02 | | 8.6 | 3.69E-02 | 5.15E-02 | 4.56E-02 | 6.38E-02 | | 8.61 | 3.57E-02 | 5.12E-02 | 4.41E-02 | 6.33E-02 | | 8.62 | 3.45E-02 | 5.09E-02 | 4.26E-02 | 6.33E-02 | | 8.63 | 3.32E-02 | 5.05E-02 | 4.11E-02 | 6.28E-02 | | 8.64 | 3.23E-02 | 5.02E-02 | 3.99E-02 | 6.24E-02 | | 8.65 | 3.15E-02 | 4.99E-02 | 3.89E-02 | 6.19E-02 | | 8.66 | 3.09E-02 | 4.96E-02 | 3.82E-02 | 6.15E-02 | | 8.67 | 3.03E-02 | 4.93E-02 | 3.75E-02 | 6.10E-02 |   Продолжение 14 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 8.68 | 2.97E-02 | 4.90E-02 | 3.67E-02 | 6.10E-02 | | 8.69 | 2.91E-02 | 4.87E-02 | 3.60E-02 | 6.06E-02 | | 8.7 | 2.86E-02 | 4.85E-02 | 3.53E-02 | 6.01E-02 | | 8.71 | 2.81E-02 | 4.82E-02 | 3.47E-02 | 5.96E-02 | | 8.72 | 2.75E-02 | 4.79E-02 | 3.41E-02 | 5.96E-02 | | 8.73 | 2.71E-02 | 4.77E-02 | 3.35E-02 | 5.92E-02 | | 8.74 | 2.67E-02 | 4.74E-02 | 3.30E-02 | 5.87E-02 | | 8.75 | 2.63E-02 | 4.72E-02 | 3.25E-02 | 5.87E-02 | | 8.76 | 2.59E-02 | 4.69E-02 | 3.20E-02 | 5.83E-02 | | 8.77 | 2.55E-02 | 4.67E-02 | 3.16E-02 | 5.78E-02 | | 8.78 | 2.52E-02 | 4.64E-02 | 3.11E-02 | 5.78E-02 | | 8.79 | 2.48E-02 | 4.62E-02 | 3.07E-02 | 5.73E-02 | | 8.8 | 2.46E-02 | 4.60E-02 | 3.04E-02 | 5.69E-02 | | 8.8 | 2.43E-02 | 4.57E-02 | 3.01E-02 | 5.69E-02 | | 8.81 | 2.41E-02 | 4.55E-02 | 2.98E-02 | 5.64E-02 | | 8.82 | 2.38E-02 | 4.53E-02 | 2.95E-02 | 5.64E-02 | | 8.83 | 2.36E-02 | 4.50E-02 | 2.93E-02 | 5.60E-02 | | 8.84 | 2.35E-02 | 4.48E-02 | 2.91E-02 | 5.55E-02 | | 8.85 | 2.34E-02 | 4.46E-02 | 2.89E-02 | 5.55E-02 | | 8.86 | 2.32E-02 | 4.44E-02 | 2.88E-02 | 5.50E-02 | | 8.87 | 2.31E-02 | 4.42E-02 | 2.86E-02 | 5.50E-02 | | 8.88 | 2.30E-02 | 4.40E-02 | 2.85E-02 | 5.46E-02 | | 8.89 | 2.30E-02 | 4.37E-02 | 2.84E-02 | 5.41E-02 | | 8.9 | 2.30E-02 | 4.35E-02 | 2.84E-02 | 5.41E-02 | | 8.91 | 2.29E-02 | 4.33E-02 | 2.83E-02 | 5.37E-02 | | 8.92 | 2.29E-02 | 4.30E-02 | 2.83E-02 | 5.37E-02 | | 8.93 | 2.29E-02 | 4.28E-02 | 2.84E-02 | 5.32E-02 | | 8.94 | 2.30E-02 | 4.26E-02 | 2.84E-02 | 5.28E-02 | | 8.95 | 2.30E-02 | 4.25E-02 | 2.85E-02 | 5.28E-02 | | 8.96 | 2.30E-02 | 4.22E-02 | 2.86E-02 | 5.23E-02 | | 8.97 | 2.32E-02 | 4.20E-02 | 2.87E-02 | 5.23E-02 | | 8.97 | 2.32E-02 | 4.18E-02 | 2.88E-02 | 5.18E-02 | | 8.98 | 2.33E-02 | 4.15E-02 | 2.89E-02 | 5.14E-02 | | 8.99 | 2.34E-02 | 4.13E-02 | 2.90E-02 | 5.14E-02 | | 9 | 2.36E-02 | 4.11E-02 | 2.92E-02 | 5.09E-02 | | 9.01 | 2.37E-02 | 4.09E-02 | 2.94E-02 | 5.09E-02 | | 9.02 | 2.38E-02 | 4.07E-02 | 2.95E-02 | 5.05E-02 | | 9.03 | 2.40E-02 | 4.05E-02 | 2.97E-02 | 5.00E-02 | | 9.04 | 2.42E-02 | 4.02E-02 | 3.00E-02 | 5.00E-02 | | 9.05 | 2.44E-02 | 4.00E-02 | 3.02E-02 | 4.95E-02 | | 9.06 | 2.46E-02 | 3.97E-02 | 3.04E-02 | 4.95E-02 | | 9.07 | 2.47E-02 | 3.95E-02 | 3.06E-02 | 4.91E-02 | | 9.08 | 2.49E-02 | 3.93E-02 | 3.09E-02 | 4.86E-02 | | 9.09 | 2.51E-02 | 3.91E-02 | 3.11E-02 | 4.86E-02 | | 9.1 | 2.53E-02 | 3.88E-02 | 3.14E-02 | 4.82E-02 | | 9.11 | 2.55E-02 | 3.86E-02 | 3.16E-02 | 4.77E-02 | | 9.12 | 2.58E-02 | 3.83E-02 | 3.19E-02 | 4.77E-02 |   Продолжение 15 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 9.13 | 2.60E-02 | 3.81E-02 | 3.22E-02 | 4.72E-02 | | 9.13 | 2.62E-02 | 3.79E-02 | 3.24E-02 | 4.72E-02 | | 9.14 | 2.64E-02 | 3.76E-02 | 3.27E-02 | 4.68E-02 | | 9.15 | 2.66E-02 | 3.74E-02 | 3.29E-02 | 4.63E-02 | | 9.16 | 2.68E-02 | 3.71E-02 | 3.32E-02 | 4.63E-02 | | 9.17 | 2.70E-02 | 3.69E-02 | 3.35E-02 | 4.58E-02 | | 9.18 | 2.72E-02 | 3.66E-02 | 3.38E-02 | 4.55E-02 | | 9.19 | 2.75E-02 | 3.64E-02 | 3.40E-02 | 4.52E-02 | | 9.2 | 2.77E-02 | 3.61E-02 | 3.43E-02 | 4.49E-02 | | 9.21 | 2.79E-02 | 3.58E-02 | 3.45E-02 | 4.45E-02 | | 9.22 | 2.81E-02 | 3.56E-02 | 3.48E-02 | 4.42E-02 | | 9.23 | 2.83E-02 | 3.53E-02 | 3.51E-02 | 4.39E-02 | | 9.24 | 2.85E-02 | 3.50E-02 | 3.53E-02 | 4.35E-02 | | 9.25 | 2.87E-02 | 3.48E-02 | 3.56E-02 | 4.32E-02 | | 9.26 | 2.89E-02 | 3.45E-02 | 3.58E-02 | 4.29E-02 | | 9.27 | 2.91E-02 | 3.42E-02 | 3.61E-02 | 4.26E-02 | | 9.27 | 2.93E-02 | 3.40E-02 | 3.63E-02 | 4.22E-02 | | 9.28 | 2.95E-02 | 3.37E-02 | 3.66E-02 | 4.19E-02 | | 9.29 | 2.97E-02 | 3.34E-02 | 3.68E-02 | 4.15E-02 | | 9.3 | 2.99E-02 | 3.31E-02 | 3.71E-02 | 4.12E-02 | | 9.31 | 3.01E-02 | 3.28E-02 | 3.73E-02 | 4.08E-02 | | 9.32 | 3.03E-02 | 3.26E-02 | 3.75E-02 | 4.05E-02 | | 9.33 | 3.04E-02 | 3.23E-02 | 3.77E-02 | 4.01E-02 | | 9.34 | 3.06E-02 | 3.21E-02 | 3.79E-02 | 3.98E-02 | | 9.35 | 3.07E-02 | 3.17E-02 | 3.81E-02 | 3.94E-02 | | 9.36 | 3.09E-02 | 3.15E-02 | 3.83E-02 | 3.91E-02 | | 9.37 | 3.11E-02 | 3.12E-02 | 3.85E-02 | 3.87E-02 | | 9.38 | 3.12E-02 | 3.09E-02 | 3.87E-02 | 3.84E-02 | | 9.39 | 3.14E-02 | 3.06E-02 | 3.89E-02 | 3.80E-02 | | 9.4 | 3.15E-02 | 3.03E-02 | 3.91E-02 | 3.77E-02 | | 9.4 | 3.17E-02 | 3.00E-02 | 3.93E-02 | 3.73E-02 | | 9.41 | 3.18E-02 | 2.97E-02 | 3.94E-02 | 3.69E-02 | | 9.42 | 3.19E-02 | 2.94E-02 | 3.96E-02 | 3.66E-02 | | 9.43 | 3.21E-02 | 2.91E-02 | 3.97E-02 | 3.62E-02 | | 9.44 | 3.21E-02 | 2.88E-02 | 3.99E-02 | 3.58E-02 | | 9.45 | 3.23E-02 | 2.85E-02 | 4.00E-02 | 3.55E-02 | | 9.46 | 3.24E-02 | 2.82E-02 | 4.02E-02 | 3.51E-02 | | 9.47 | 3.25E-02 | 2.79E-02 | 4.03E-02 | 3.47E-02 | | 9.48 | 3.26E-02 | 2.76E-02 | 4.04E-02 | 3.44E-02 | | 9.49 | 3.26E-02 | 2.74E-02 | 4.06E-02 | 3.40E-02 | | 9.5 | 3.28E-02 | 2.70E-02 | 4.06E-02 | 3.36E-02 | | 9.51 | 3.28E-02 | 2.68E-02 | 4.08E-02 | 3.32E-02 | | 9.52 | 3.29E-02 | 2.64E-02 | 4.09E-02 | 3.28E-02 | | 9.52 | 3.30E-02 | 2.61E-02 | 4.10E-02 | 3.25E-02 | | 9.53 | 3.30E-02 | 2.58E-02 | 4.10E-02 | 3.21E-02 | | 9.54 | 3.31E-02 | 2.55E-02 | 4.11E-02 | 3.17E-02 | | 9.55 | 3.32E-02 | 2.52E-02 | 4.12E-02 | 3.13E-02 |   Продолжение 16 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 9.56 | 3.32E-02 | 2.49E-02 | 4.12E-02 | 3.10E-02 | | 9.57 | 3.32E-02 | 2.46E-02 | 4.13E-02 | 3.06E-02 | | 9.58 | 3.33E-02 | 2.43E-02 | 4.13E-02 | 3.02E-02 | | 9.59 | 3.33E-02 | 2.40E-02 | 4.14E-02 | 2.98E-02 | | 9.6 | 3.33E-02 | 2.37E-02 | 4.14E-02 | 2.94E-02 | | 9.61 | 3.34E-02 | 2.34E-02 | 4.14E-02 | 2.91E-02 | | 9.62 | 3.34E-02 | 2.30E-02 | 4.14E-02 | 2.87E-02 | | 9.63 | 3.34E-02 | 2.28E-02 | 4.14E-02 | 2.83E-02 | | 9.63 | 3.34E-02 | 2.25E-02 | 4.14E-02 | 2.79E-02 | | 9.64 | 3.33E-02 | 2.21E-02 | 4.14E-02 | 2.75E-02 | | 9.65 | 3.33E-02 | 2.19E-02 | 4.14E-02 | 2.72E-02 | | 9.66 | 3.33E-02 | 2.15E-02 | 4.13E-02 | 2.68E-02 | | 9.67 | 3.32E-02 | 2.13E-02 | 4.13E-02 | 2.64E-02 | | 9.68 | 3.32E-02 | 2.09E-02 | 4.12E-02 | 2.60E-02 | | 9.69 | 3.32E-02 | 2.06E-02 | 4.12E-02 | 2.56E-02 | | 9.7 | 3.31E-02 | 2.03E-02 | 4.11E-02 | 2.53E-02 | | 9.71 | 3.30E-02 | 2.00E-02 | 4.11E-02 | 2.49E-02 | | 9.72 | 3.30E-02 | 1.97E-02 | 4.10E-02 | 2.45E-02 | | 9.73 | 3.28E-02 | 1.94E-02 | 4.08E-02 | 2.42E-02 | | 9.74 | 3.28E-02 | 1.91E-02 | 4.07E-02 | 2.38E-02 | | 9.74 | 3.26E-02 | 1.88E-02 | 4.06E-02 | 2.34E-02 | | 9.75 | 3.26E-02 | 1.85E-02 | 4.05E-02 | 2.30E-02 | | 9.76 | 3.25E-02 | 1.82E-02 | 4.03E-02 | 2.27E-02 | | 9.77 | 3.23E-02 | 1.79E-02 | 4.02E-02 | 2.23E-02 | | 9.78 | 3.22E-02 | 1.76E-02 | 4.00E-02 | 2.19E-02 | | 9.79 | 3.21E-02 | 1.74E-02 | 3.98E-02 | 2.16E-02 | | 9.8 | 3.19E-02 | 1.71E-02 | 3.96E-02 | 2.12E-02 | | 9.81 | 3.17E-02 | 1.68E-02 | 3.94E-02 | 2.09E-02 | | 9.82 | 3.16E-02 | 1.65E-02 | 3.92E-02 | 2.05E-02 | | 9.83 | 3.14E-02 | 1.62E-02 | 3.90E-02 | 2.01E-02 | | 9.84 | 3.12E-02 | 1.59E-02 | 3.88E-02 | 1.98E-02 | | 9.84 | 3.10E-02 | 1.56E-02 | 3.86E-02 | 1.94E-02 | | 9.85 | 3.08E-02 | 1.54E-02 | 3.83E-02 | 1.91E-02 | | 9.86 | 3.06E-02 | 1.51E-02 | 3.81E-02 | 1.88E-02 | | 9.87 | 3.04E-02 | 1.48E-02 | 3.78E-02 | 1.84E-02 | | 9.88 | 3.02E-02 | 1.45E-02 | 3.75E-02 | 1.81E-02 | | 9.89 | 2.99E-02 | 1.42E-02 | 3.72E-02 | 1.77E-02 | | 9.9 | 2.97E-02 | 1.40E-02 | 3.70E-02 | 1.74E-02 | | 9.91 | 2.95E-02 | 1.37E-02 | 3.67E-02 | 1.71E-02 | | 9.92 | 2.93E-02 | 1.34E-02 | 3.64E-02 | 1.67E-02 | | 9.93 | 2.90E-02 | 1.32E-02 | 3.61E-02 | 1.64E-02 | | 9.93 | 2.87E-02 | 1.29E-02 | 3.57E-02 | 1.61E-02 | | 9.94 | 2.85E-02 | 1.26E-02 | 3.54E-02 | 1.57E-02 | | 9.95 | 2.82E-02 | 1.24E-02 | 3.51E-02 | 1.54E-02 | | 9.96 | 2.79E-02 | 1.21E-02 | 3.47E-02 | 1.51E-02 | | 9.97 | 2.77E-02 | 1.19E-02 | 3.44E-02 | 1.48E-02 | | 9.98 | 2.74E-02 | 1.17E-02 | 3.40E-02 | 1.45E-02 |   Продолжение 17 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 9.99 | 2.71E-02 | 1.14E-02 | 3.37E-02 | 1.42E-02 | | 10 | 2.68E-02 | 1.11E-02 | 3.33E-02 | 1.39E-02 | | 10.01 | 2.65E-02 | 1.09E-02 | 3.30E-02 | 1.36E-02 | | 10.02 | 2.62E-02 | 1.07E-02 | 3.26E-02 | 1.33E-02 | | 10.03 | 2.59E-02 | 1.05E-02 | 3.22E-02 | 1.30E-02 | | 10.03 | 2.56E-02 | 1.02E-02 | 3.18E-02 | 1.27E-02 | | 10.04 | 2.53E-02 | 1.00E-02 | 3.15E-02 | 1.24E-02 | | 10.05 | 2.50E-02 | 9.74E-03 | 3.11E-02 | 1.21E-02 | | 10.06 | 2.46E-02 | 9.54E-03 | 3.07E-02 | 1.18E-02 | | 10.07 | 2.43E-02 | 9.34E-03 | 3.03E-02 | 1.16E-02 | | 10.08 | 2.40E-02 | 9.07E-03 | 2.99E-02 | 1.13E-02 | | 10.09 | 2.37E-02 | 8.87E-03 | 2.95E-02 | 1.11E-02 | | 10.1 | 2.34E-02 | 8.68E-03 | 2.91E-02 | 1.08E-02 | | 10.11 | 2.30E-02 | 8.48E-03 | 2.87E-02 | 1.05E-02 | | 10.12 | 2.27E-02 | 8.28E-03 | 2.83E-02 | 1.03E-02 | | 10.12 | 2.24E-02 | 8.08E-03 | 2.79E-02 | 1.00E-02 | | 10.13 | 2.21E-02 | 7.88E-03 | 2.75E-02 | 9.77E-03 | | 10.14 | 2.17E-02 | 7.68E-03 | 2.71E-02 | 9.50E-03 | | 10.15 | 2.14E-02 | 7.48E-03 | 2.67E-02 | 9.27E-03 | | 10.16 | 2.11E-02 | 7.28E-03 | 2.62E-02 | 9.04E-03 | | 10.17 | 2.08E-02 | 7.09E-03 | 2.58E-02 | 8.81E-03 | | 10.18 | 2.05E-02 | 6.89E-03 | 2.54E-02 | 8.58E-03 | | 10.19 | 2.01E-02 | 6.69E-03 | 2.50E-02 | 8.35E-03 | | 10.2 | 1.98E-02 | 6.54E-03 | 2.46E-02 | 8.12E-03 | | 10.21 | 1.95E-02 | 6.36E-03 | 2.42E-02 | 7.89E-03 | | 10.21 | 1.91E-02 | 6.19E-03 | 2.38E-02 | 7.71E-03 | | 10.22 | 1.88E-02 | 6.01E-03 | 2.34E-02 | 7.48E-03 | | 10.23 | 1.85E-02 | 5.85E-03 | 2.30E-02 | 7.29E-03 | | 10.24 | 1.81E-02 | 5.68E-03 | 2.26E-02 | 7.06E-03 | | 10.25 | 1.78E-02 | 5.52E-03 | 2.22E-02 | 6.88E-03 | | 10.26 | 1.75E-02 | 5.36E-03 | 2.17E-02 | 6.65E-03 | | 10.27 | 1.72E-02 | 5.21E-03 | 2.13E-02 | 6.47E-03 | | 10.28 | 1.68E-02 | 5.06E-03 | 2.10E-02 | 6.28E-03 | | 10.29 | 1.65E-02 | 4.91E-03 | 2.06E-02 | 6.10E-03 | | 10.29 | 1.62E-02 | 4.77E-03 | 2.01E-02 | 5.92E-03 | | 10.3 | 1.59E-02 | 4.62E-03 | 1.97E-02 | 5.73E-03 | | 10.31 | 1.56E-02 | 4.48E-03 | 1.94E-02 | 5.55E-03 | | 10.32 | 1.52E-02 | 4.34E-03 | 1.89E-02 | 5.41E-03 | | 10.33 | 1.49E-02 | 4.21E-03 | 1.85E-02 | 5.23E-03 | | 10.34 | 1.46E-02 | 4.08E-03 | 1.82E-02 | 5.09E-03 | | 10.35 | 1.43E-02 | 3.95E-03 | 1.78E-02 | 4.91E-03 | | 10.36 | 1.40E-02 | 3.82E-03 | 1.74E-02 | 4.77E-03 | | 10.37 | 1.36E-02 | 3.70E-03 | 1.70E-02 | 4.59E-03 | | 10.37 | 1.34E-02 | 3.58E-03 | 1.66E-02 | 4.45E-03 | | 10.38 | 1.30E-02 | 3.46E-03 | 1.62E-02 | 4.31E-03 | | 10.39 | 1.27E-02 | 3.35E-03 | 1.58E-02 | 4.17E-03 | | 10.4 | 1.25E-02 | 3.24E-03 | 1.55E-02 | 4.02E-03 |   Продолжение 18 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 10.41 | 1.21E-02 | 3.13E-03 | 1.51E-02 | 3.89E-03 | | 10.42 | 1.19E-02 | 3.02E-03 | 1.47E-02 | 3.76E-03 | | 10.43 | 1.15E-02 | 2.92E-03 | 1.44E-02 | 3.63E-03 | | 10.44 | 1.13E-02 | 2.81E-03 | 1.40E-02 | 3.50E-03 | | 10.45 | 1.09E-02 | 2.72E-03 | 1.36E-02 | 3.38E-03 | | 10.45 | 1.07E-02 | 2.62E-03 | 1.33E-02 | 3.26E-03 | | 10.46 | 1.03E-02 | 2.53E-03 | 1.29E-02 | 3.14E-03 | | 10.47 | 1.01E-02 | 2.44E-03 | 1.25E-02 | 3.03E-03 | | 10.48 | 9.80E-03 | 2.35E-03 | 1.22E-02 | 2.92E-03 | | 10.49 | 9.54E-03 | 2.26E-03 | 1.18E-02 | 2.82E-03 | | 10.5 | 9.21E-03 | 2.18E-03 | 1.15E-02 | 2.71E-03 | | 10.51 | 8.94E-03 | 2.10E-03 | 1.11E-02 | 2.61E-03 | | 10.52 | 8.68E-03 | 2.03E-03 | 1.08E-02 | 2.51E-03 | | 10.53 | 8.41E-03 | 1.95E-03 | 1.05E-02 | 2.42E-03 | | 10.53 | 8.15E-03 | 1.87E-03 | 1.01E-02 | 2.33E-03 | | 10.54 | 7.88E-03 | 1.80E-03 | 9.82E-03 | 2.24E-03 | | 10.55 | 7.62E-03 | 1.74E-03 | 9.50E-03 | 2.16E-03 | | 10.56 | 7.35E-03 | 1.67E-03 | 9.17E-03 | 2.07E-03 | | 10.57 | 7.15E-03 | 1.60E-03 | 8.85E-03 | 2.00E-03 | | 10.58 | 6.89E-03 | 1.54E-03 | 8.58E-03 | 1.92E-03 | | 10.59 | 6.62E-03 | 1.48E-03 | 8.26E-03 | 1.84E-03 | | 10.6 | 6.41E-03 | 1.42E-03 | 7.98E-03 | 1.77E-03 | | 10.61 | 6.18E-03 | 1.37E-03 | 7.66E-03 | 1.70E-03 | | 10.61 | 5.95E-03 | 1.32E-03 | 7.39E-03 | 1.63E-03 | | 10.62 | 5.73E-03 | 1.26E-03 | 7.11E-03 | 1.57E-03 | | 10.63 | 5.51E-03 | 1.21E-03 | 6.83E-03 | 1.51E-03 | | 10.64 | 5.30E-03 | 1.17E-03 | 6.61E-03 | 1.45E-03 | | 10.65 | 5.09E-03 | 1.12E-03 | 6.33E-03 | 1.39E-03 | | 10.66 | 4.89E-03 | 1.08E-03 | 6.06E-03 | 1.34E-03 | | 10.67 | 4.69E-03 | 1.03E-03 | 5.83E-03 | 1.28E-03 | | 10.68 | 4.50E-03 | 9.93E-04 | 5.60E-03 | 1.23E-03 | | 10.68 | 4.31E-03 | 9.54E-04 | 5.37E-03 | 1.19E-03 | | 10.69 | 4.13E-03 | 9.21E-04 | 5.14E-03 | 1.14E-03 | | 10.7 | 3.95E-03 | 8.81E-04 | 4.91E-03 | 1.10E-03 | | 10.71 | 3.78E-03 | 8.48E-04 | 4.68E-03 | 1.06E-03 | | 10.72 | 3.62E-03 | 8.15E-04 | 4.50E-03 | 1.01E-03 | | 10.73 | 3.46E-03 | 7.88E-04 | 4.30E-03 | 9.77E-04 | | 10.74 | 3.30E-03 | 7.55E-04 | 4.10E-03 | 9.40E-04 | | 10.75 | 3.15E-03 | 7.28E-04 | 3.92E-03 | 9.04E-04 | | 10.75 | 3.01E-03 | 7.02E-04 | 3.74E-03 | 8.72E-04 | | 10.76 | 2.87E-03 | 6.75E-04 | 3.56E-03 | 8.39E-04 | | 10.77 | 2.74E-03 | 6.50E-04 | 3.40E-03 | 8.07E-04 | | 10.78 | 2.61E-03 | 6.27E-04 | 3.24E-03 | 7.80E-04 | | 10.79 | 2.48E-03 | 6.05E-04 | 3.09E-03 | 7.52E-04 | | 10.8 | 2.36E-03 | 5.83E-04 | 2.94E-03 | 7.25E-04 | | 10.81 | 2.25E-03 | 5.63E-04 | 2.80E-03 | 7.02E-04 | | 10.82 | 2.15E-03 | 5.44E-04 | 2.67E-03 | 6.74E-04 |   Продолжение 19 **таблицы 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 10.82 | 2.04E-03 | 5.26E-04 | 2.54E-03 | 6.51E-04 | | 10.83 | 1.94E-03 | 5.08E-04 | 2.41E-03 | 6.33E-04 | | 10.84 | 1.85E-03 | 4.91E-04 | 2.30E-03 | 6.10E-04 | | 10.85 | 1.76E-03 | 4.75E-04 | 2.19E-03 | 5.92E-04 | | 10.86 | 1.68E-03 | 4.61E-04 | 2.08E-03 | 5.73E-04 | | 10.87 | 1.60E-03 | 4.46E-04 | 1.98E-03 | 5.55E-04 | | 10.88 | 1.52E-03 | 4.33E-04 | 1.89E-03 | 5.37E-04 | | 10.89 | 1.45E-03 | 4.20E-04 | 1.80E-03 | 5.23E-04 | | 10.89 | 1.38E-03 | 4.07E-04 | 1.72E-03 | 5.05E-04 | | 10.9 | 1.32E-03 | 3.96E-04 | 1.64E-03 | 4.91E-04 | | 10.91 | 1.26E-03 | 3.85E-04 | 1.56E-03 | 4.77E-04 | | 10.92 | 1.20E-03 | 3.74E-04 | 1.49E-03 | 4.63E-04 | | 10.93 | 1.15E-03 | 3.64E-04 | 1.43E-03 | 4.51E-04 | | 10.94 | 1.10E-03 | 3.54E-04 | 1.37E-03 | 4.39E-04 | | 10.95 | 1.05E-03 | 3.44E-04 | 1.31E-03 | 4.28E-04 | | 10.96 | 1.01E-03 | 3.35E-04 | 1.26E-03 | 4.17E-04 | | 10.96 | 9.74E-04 | 3.26E-04 | 1.21E-03 | 4.06E-04 | | 10.97 | 9.34E-04 | 3.19E-04 | 1.16E-03 | 3.95E-04 | | 10.98 | 9.01E-04 | 3.11E-04 | 1.12E-03 | 3.86E-04 | | 10.99 | 8.68E-04 | 3.03E-04 | 1.08E-03 | 3.76E-04 | | 11 | 8.41E-04 | 2.95E-04 | 1.04E-03 | 3.67E-04 |   **Таблица 3.** Спектр гамма излучения, испускаемого нейтронным источником 239Pu-Be.  В таблице 3 приведены **д**ифференциальные Фg(Е), Dg(E) и интегральные Fg(E>Eo), Dg(E>Eo) распределения плотности потока и мощности эффективной эквивалентной дозы гамма квантов, испускаемых Pu-Be источником с изотопом плутония 239. Распределения нормированы на единичную интегральную плотность потока Fg(E>Emin)=1 и интегральную мощность эффективной эквивалентной дозы Dg(E>Emin)=1.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Энергия E, Eo,  МэВ | Дифференциальная плотность потока Фg(Е),  н/см2\*с\*МэВ | Интегральная плотность потока  Fg (E>Eo),  н/см2\*с | Дифференциальная мощность дозы  Dg (E),  Зв/с\*МэВ | Интегральная мощность дозы  Dg (E>Eo),  Зв/с |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 0.043 | 0.00E+00 | 1.00E+00 | 0.00E+00 | 1.00E+00 | | 0.063 | 0.00E+00 | 1.00E+00 | 0.00E+00 | 1.00E+00 | | 0.079 | 2.66E-01 | 9.96E-01 | 3.18E-02 | 9.99E-01 | | 0.093 | 9.28E+00 | 8.64E-01 | 1.24E+00 | 9.81E-01 | | 0.106 | 8.38E+00 | 7.57E-01 | 1.25E+00 | 9.66E-01 | | 0.118 | 3.50E+00 | 7.16E-01 | 5.76E-01 | 9.58E-01 | | 0.129 | 1.83E-01 | 7.14E-01 | 3.27E-02 | 9.58E-01 | | 0.14 | 1.09E-01 | 7.12E-01 | 2.09E-02 | 9.58E-01 | | 0.15 | 3.01E+00 | 6.82E-01 | 6.20E-01 | 9.51E-01 | | 0.16 | 6.16E+00 | 6.20E-01 | 1.35E+00 | 9.38E-01 | | 0.17 | 6.61E+00 | 5.54E-01 | 1.55E+00 | 9.23E-01 | | 0.18 | 4.14E+00 | 5.14E-01 | 1.02E+00 | 9.13E-01 | | 0.189 | 1.56E+00 | 4.99E-01 | 4.05E-01 | 9.10E-01 | | 0.198 | 5.95E-01 | 4.95E-01 | 1.62E-01 | 9.07E-01 | | 0.207 | 3.37E-01 | 4.92E-01 | 9.58E-02 | 9.07E-01 | | 0.216 | 3.95E-01 | 4.88E-01 | 1.17E-01 | 9.05E-01 | | 0.225 | 4.75E-01 | 4.84E-01 | 1.46E-01 | 9.04E-01 | | 0.233 | 4.46E-01 | 4.80E-01 | 1.43E-01 | 9.03E-01 | | 0.242 | 3.90E-01 | 4.76E-01 | 1.30E-01 | 9.03E-01 | | 0.25 | 3.35E-01 | 4.75E-01 | 1.15E-01 | 9.01E-01 | | 0.258 | 2.92E-01 | 4.71E-01 | 1.03E-01 | 9.00E-01 | | 0.266 | 2.47E-01 | 4.69E-01 | 9.04E-02 | 9.00E-01 | | 0.274 | 1.94E-01 | 4.67E-01 | 7.32E-02 | 8.98E-01 | | 0.282 | 1.37E-01 | 4.67E-01 | 5.34E-02 | 8.98E-01 | | 0.29 | 1.02E-01 | 4.65E-01 | 4.08E-02 | 8.98E-01 | | 0.298 | 1.09E-01 | 4.65E-01 | 4.48E-02 | 8.98E-01 | | 0.306 | 1.61E-01 | 4.63E-01 | 6.81E-02 | 8.97E-01 | | 0.314 | 2.43E-01 | 4.61E-01 | 1.05E-01 | 8.97E-01 | | 0.322 | 3.31E-01 | 4.60E-01 | 1.46E-01 | 8.95E-01 | | 0.329 | 4.11E-01 | 4.56E-01 | 1.86E-01 | 8.94E-01 | | 0.337 | 4.80E-01 | 4.52E-01 | 2.22E-01 | 8.93E-01 | | 0.344 | 5.57E-01 | 4.48E-01 | 2.64E-01 | 8.90E-01 | | 0.352 | 6.74E-01 | 4.43E-01 | 3.27E-01 | 8.88E-01 | | 0.359 | 8.47E-01 | 4.37E-01 | 4.18E-01 | 8.84E-01 | | 0.367 | 1.05E+00 | 4.29E-01 | 5.26E-01 | 8.81E-01 | | 0.374 | 1.21E+00 | 4.20E-01 | 6.19E-01 | 8.77E-01 | | 0.382 | 1.29E+00 | 4.11E-01 | 6.76E-01 | 8.71E-01 | | 0.389 | 1.31E+00 | 4.01E-01 | 6.98E-01 | 8.65E-01 |   Продолжение 1 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 0.396 | 1.30E+00 | 3.92E-01 | 7.05E-01 | 8.61E-01 | | 0.404 | 1.27E+00 | 3.82E-01 | 7.05E-01 | 8.55E-01 | | 0.411 | 1.23E+00 | 3.73E-01 | 6.89E-01 | 8.51E-01 | | 0.418 | 1.13E+00 | 3.65E-01 | 6.45E-01 | 8.47E-01 | | 0.425 | 9.77E-01 | 3.58E-01 | 5.67E-01 | 8.42E-01 | | 0.433 | 7.98E-01 | 3.52E-01 | 4.71E-01 | 8.38E-01 | | 0.44 | 6.33E-01 | 3.48E-01 | 3.78E-01 | 8.35E-01 | | 0.447 | 5.01E-01 | 3.45E-01 | 3.05E-01 | 8.34E-01 | | 0.454 | 4.09E-01 | 3.41E-01 | 2.52E-01 | 8.32E-01 | | 0.461 | 3.56E-01 | 3.39E-01 | 2.22E-01 | 8.31E-01 | | 0.468 | 3.05E-01 | 3.37E-01 | 1.93E-01 | 8.30E-01 | | 0.475 | 2.71E-01 | 3.35E-01 | 1.75E-01 | 8.28E-01 | | 0.482 | 2.62E-01 | 3.33E-01 | 1.70E-01 | 8.27E-01 | | 0.489 | 2.71E-01 | 3.31E-01 | 1.79E-01 | 8.25E-01 | | 0.496 | 3.11E-01 | 3.30E-01 | 2.08E-01 | 8.24E-01 | | 0.503 | 3.33E-01 | 3.26E-01 | 2.26E-01 | 8.22E-01 | | 0.51 | 3.39E-01 | 3.24E-01 | 2.34E-01 | 8.21E-01 | | 0.517 | 3.28E-01 | 3.22E-01 | 2.29E-01 | 8.19E-01 | | 0.524 | 3.05E-01 | 3.20E-01 | 2.15E-01 | 8.18E-01 | | 0.531 | 2.71E-01 | 3.18E-01 | 1.93E-01 | 8.17E-01 | | 0.538 | 2.32E-01 | 3.16E-01 | 1.66E-01 | 8.15E-01 | | 0.545 | 1.90E-01 | 3.15E-01 | 1.38E-01 | 8.14E-01 | | 0.552 | 1.50E-01 | 3.15E-01 | 1.11E-01 | 8.14E-01 | | 0.558 | 1.17E-01 | 3.13E-01 | 8.72E-02 | 8.12E-01 | | 0.565 | 9.10E-02 | 3.13E-01 | 6.88E-02 | 8.12E-01 | | 0.572 | 7.36E-02 | 3.13E-01 | 5.62E-02 | 8.12E-01 | | 0.579 | 6.40E-02 | 3.13E-01 | 4.94E-02 | 8.11E-01 | | 0.586 | 6.12E-02 | 3.11E-01 | 4.77E-02 | 8.11E-01 | | 0.593 | 6.33E-02 | 3.11E-01 | 4.99E-02 | 8.11E-01 | | 0.599 | 6.82E-02 | 3.11E-01 | 5.43E-02 | 8.11E-01 | | 0.606 | 7.46E-02 | 3.11E-01 | 5.99E-02 | 8.09E-01 | | 0.613 | 8.12E-02 | 3.09E-01 | 6.58E-02 | 8.09E-01 | | 0.62 | 8.70E-02 | 3.09E-01 | 7.13E-02 | 8.09E-01 | | 0.626 | 9.21E-02 | 3.09E-01 | 7.62E-02 | 8.08E-01 | | 0.633 | 9.60E-02 | 3.07E-01 | 8.02E-02 | 8.08E-01 | | 0.64 | 9.89E-02 | 3.07E-01 | 8.32E-02 | 8.08E-01 | | 0.647 | 1.00E-01 | 3.07E-01 | 8.51E-02 | 8.07E-01 | | 0.653 | 9.98E-02 | 3.05E-01 | 8.55E-02 | 8.07E-01 | | 0.66 | 9.77E-02 | 3.05E-01 | 8.45E-02 | 8.05E-01 | | 0.667 | 9.38E-02 | 3.05E-01 | 8.18E-02 | 8.05E-01 | | 0.673 | 8.81E-02 | 3.03E-01 | 7.77E-02 | 8.05E-01 | | 0.68 | 8.15E-02 | 3.03E-01 | 7.22E-02 | 8.04E-01 | | 0.687 | 7.42E-02 | 3.03E-01 | 6.63E-02 | 8.04E-01 | | 0.693 | 6.70E-02 | 3.01E-01 | 6.05E-02 | 8.04E-01 | | 0.7 | 6.08E-02 | 3.01E-01 | 5.53E-02 | 8.04E-01 | | 0.707 | 5.57E-02 | 3.01E-01 | 5.11E-02 | 8.02E-01 |   Продолжение 2 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 0.713 | 5.22E-02 | 3.01E-01 | 4.83E-02 | 8.02E-01 | | 0.72 | 4.97E-02 | 3.01E-01 | 4.64E-02 | 8.02E-01 | | 0.727 | 4.84E-02 | 2.99E-01 | 4.54E-02 | 8.02E-01 | | 0.733 | 4.76E-02 | 2.99E-01 | 4.51E-02 | 8.01E-01 | | 0.74 | 4.71E-02 | 2.99E-01 | 4.48E-02 | 8.01E-01 | | 0.747 | 4.69E-02 | 2.99E-01 | 4.50E-02 | 8.01E-01 | | 0.753 | 4.75E-02 | 2.99E-01 | 4.60E-02 | 8.01E-01 | | 0.76 | 4.92E-02 | 2.99E-01 | 4.79E-02 | 8.01E-01 | | 0.766 | 5.22E-02 | 2.98E-01 | 5.13E-02 | 7.99E-01 | | 0.773 | 5.59E-02 | 2.98E-01 | 5.54E-02 | 7.99E-01 | | 0.78 | 6.05E-02 | 2.98E-01 | 6.05E-02 | 7.99E-01 | | 0.786 | 6.53E-02 | 2.98E-01 | 6.58E-02 | 7.99E-01 | | 0.793 | 7.10E-02 | 2.98E-01 | 7.21E-02 | 7.98E-01 | | 0.799 | 7.78E-02 | 2.96E-01 | 7.94E-02 | 7.98E-01 | | 0.806 | 8.51E-02 | 2.96E-01 | 8.74E-02 | 7.97E-01 | | 0.812 | 9.28E-02 | 2.96E-01 | 9.61E-02 | 7.97E-01 | | 0.819 | 9.96E-02 | 2.94E-01 | 1.04E-01 | 7.97E-01 | | 0.825 | 1.05E-01 | 2.94E-01 | 1.10E-01 | 7.95E-01 | | 0.832 | 1.10E-01 | 2.94E-01 | 1.16E-01 | 7.95E-01 | | 0.839 | 1.14E-01 | 2.92E-01 | 1.20E-01 | 7.94E-01 | | 0.845 | 1.16E-01 | 2.92E-01 | 1.24E-01 | 7.92E-01 | | 0.852 | 1.17E-01 | 2.90E-01 | 1.26E-01 | 7.92E-01 | | 0.858 | 1.17E-01 | 2.90E-01 | 1.27E-01 | 7.91E-01 | | 0.865 | 1.16E-01 | 2.90E-01 | 1.26E-01 | 7.91E-01 | | 0.871 | 1.14E-01 | 2.88E-01 | 1.24E-01 | 7.89E-01 | | 0.878 | 1.10E-01 | 2.88E-01 | 1.22E-01 | 7.89E-01 | | 0.884 | 1.06E-01 | 2.86E-01 | 1.18E-01 | 7.88E-01 | | 0.891 | 1.01E-01 | 2.86E-01 | 1.13E-01 | 7.88E-01 | | 0.897 | 9.57E-02 | 2.86E-01 | 1.07E-01 | 7.87E-01 | | 0.904 | 8.96E-02 | 2.84E-01 | 1.01E-01 | 7.87E-01 | | 0.91 | 8.32E-02 | 2.84E-01 | 9.44E-02 | 7.85E-01 | | 0.917 | 7.68E-02 | 2.84E-01 | 8.77E-02 | 7.85E-01 | | 0.923 | 7.06E-02 | 2.84E-01 | 8.11E-02 | 7.84E-01 | | 0.93 | 6.48E-02 | 2.82E-01 | 7.48E-02 | 7.84E-01 | | 0.936 | 5.93E-02 | 2.82E-01 | 6.89E-02 | 7.84E-01 | | 0.943 | 5.46E-02 | 2.82E-01 | 6.39E-02 | 7.82E-01 | | 0.949 | 5.07E-02 | 2.82E-01 | 5.96E-02 | 7.82E-01 | | 0.956 | 4.75E-02 | 2.82E-01 | 5.62E-02 | 7.82E-01 | | 0.962 | 4.52E-02 | 2.82E-01 | 5.36E-02 | 7.82E-01 | | 0.968 | 4.35E-02 | 2.81E-01 | 5.20E-02 | 7.81E-01 | | 0.975 | 4.27E-02 | 2.81E-01 | 5.13E-02 | 7.81E-01 | | 0.981 | 4.24E-02 | 2.81E-01 | 5.13E-02 | 7.81E-01 | | 0.988 | 4.27E-02 | 2.81E-01 | 5.20E-02 | 7.81E-01 | | 0.994 | 4.35E-02 | 2.81E-01 | 5.32E-02 | 7.79E-01 | | 1.001 | 4.46E-02 | 2.81E-01 | 5.47E-02 | 7.79E-01 | | 1.007 | 4.60E-02 | 2.79E-01 | 5.64E-02 | 7.79E-01 |   Продолжение 3 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 1.014 | 4.73E-02 | 2.79E-01 | 5.82E-02 | 7.79E-01 | | 1.02 | 4.86E-02 | 2.79E-01 | 5.99E-02 | 7.78E-01 | | 1.027 | 4.97E-02 | 2.79E-01 | 6.15E-02 | 7.78E-01 | | 1.033 | 5.07E-02 | 2.79E-01 | 6.29E-02 | 7.78E-01 | | 1.039 | 5.14E-02 | 2.79E-01 | 6.39E-02 | 7.78E-01 | | 1.046 | 5.20E-02 | 2.77E-01 | 6.46E-02 | 7.77E-01 | | 1.052 | 5.22E-02 | 2.77E-01 | 6.50E-02 | 7.77E-01 | | 1.059 | 5.20E-02 | 2.77E-01 | 6.52E-02 | 7.77E-01 | | 1.065 | 5.18E-02 | 2.77E-01 | 6.49E-02 | 7.75E-01 | | 1.072 | 5.12E-02 | 2.77E-01 | 6.45E-02 | 7.75E-01 | | 1.078 | 5.07E-02 | 2.77E-01 | 6.38E-02 | 7.75E-01 | | 1.084 | 4.99E-02 | 2.75E-01 | 6.29E-02 | 7.75E-01 | | 1.091 | 4.90E-02 | 2.75E-01 | 6.19E-02 | 7.74E-01 | | 1.097 | 4.80E-02 | 2.75E-01 | 6.07E-02 | 7.74E-01 | | 1.104 | 4.69E-02 | 2.75E-01 | 5.96E-02 | 7.74E-01 | | 1.11 | 4.58E-02 | 2.75E-01 | 5.83E-02 | 7.74E-01 | | 1.116 | 4.48E-02 | 2.75E-01 | 5.72E-02 | 7.72E-01 | | 1.123 | 4.39E-02 | 2.73E-01 | 5.60E-02 | 7.72E-01 | | 1.129 | 4.29E-02 | 2.73E-01 | 5.50E-02 | 7.72E-01 | | 1.136 | 4.22E-02 | 2.73E-01 | 5.40E-02 | 7.72E-01 | | 1.142 | 4.14E-02 | 2.73E-01 | 5.32E-02 | 7.71E-01 | | 1.148 | 4.07E-02 | 2.73E-01 | 5.24E-02 | 7.71E-01 | | 1.155 | 4.01E-02 | 2.73E-01 | 5.19E-02 | 7.71E-01 | | 1.161 | 3.97E-02 | 2.73E-01 | 5.14E-02 | 7.71E-01 | | 1.168 | 3.94E-02 | 2.71E-01 | 5.10E-02 | 7.69E-01 | | 1.174 | 3.92E-02 | 2.71E-01 | 5.09E-02 | 7.69E-01 | | 1.18 | 3.90E-02 | 2.71E-01 | 5.09E-02 | 7.69E-01 | | 1.187 | 3.90E-02 | 2.71E-01 | 5.09E-02 | 7.69E-01 | | 1.193 | 3.92E-02 | 2.71E-01 | 5.11E-02 | 7.68E-01 | | 1.199 | 3.94E-02 | 2.71E-01 | 5.14E-02 | 7.68E-01 | | 1.206 | 3.95E-02 | 2.71E-01 | 5.19E-02 | 7.68E-01 | | 1.212 | 3.99E-02 | 2.71E-01 | 5.26E-02 | 7.68E-01 | | 1.219 | 4.05E-02 | 2.69E-01 | 5.32E-02 | 7.68E-01 | | 1.225 | 4.09E-02 | 2.69E-01 | 5.40E-02 | 7.66E-01 | | 1.231 | 4.14E-02 | 2.69E-01 | 5.47E-02 | 7.66E-01 | | 1.238 | 4.20E-02 | 2.69E-01 | 5.56E-02 | 7.66E-01 | | 1.244 | 4.26E-02 | 2.69E-01 | 5.66E-02 | 7.66E-01 | | 1.25 | 4.31E-02 | 2.69E-01 | 5.74E-02 | 7.65E-01 | | 1.257 | 4.39E-02 | 2.69E-01 | 5.85E-02 | 7.65E-01 | | 1.263 | 4.44E-02 | 2.67E-01 | 5.93E-02 | 7.65E-01 | | 1.269 | 4.50E-02 | 2.67E-01 | 6.03E-02 | 7.65E-01 | | 1.276 | 4.58E-02 | 2.67E-01 | 6.13E-02 | 7.64E-01 | | 1.282 | 4.63E-02 | 2.67E-01 | 6.22E-02 | 7.64E-01 | | 1.289 | 4.69E-02 | 2.67E-01 | 6.30E-02 | 7.64E-01 | | 1.295 | 4.75E-02 | 2.67E-01 | 6.39E-02 | 7.62E-01 | | 1.301 | 4.78E-02 | 2.66E-01 | 6.48E-02 | 7.62E-01 |   Продолжение 4 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 1.308 | 4.84E-02 | 2.66E-01 | 6.55E-02 | 7.62E-01 | | 1.314 | 4.88E-02 | 2.66E-01 | 6.60E-02 | 7.62E-01 | | 1.32 | 4.92E-02 | 2.66E-01 | 6.68E-02 | 7.61E-01 | | 1.327 | 4.93E-02 | 2.66E-01 | 6.73E-02 | 7.61E-01 | | 1.333 | 4.97E-02 | 2.66E-01 | 6.78E-02 | 7.61E-01 | | 1.339 | 4.99E-02 | 2.64E-01 | 6.83E-02 | 7.59E-01 | | 1.346 | 5.01E-02 | 2.64E-01 | 6.88E-02 | 7.59E-01 | | 1.352 | 5.03E-02 | 2.64E-01 | 6.91E-02 | 7.59E-01 | | 1.358 | 5.05E-02 | 2.64E-01 | 6.95E-02 | 7.58E-01 | | 1.365 | 5.07E-02 | 2.64E-01 | 6.98E-02 | 7.58E-01 | | 1.371 | 5.08E-02 | 2.64E-01 | 7.01E-02 | 7.58E-01 | | 1.377 | 5.08E-02 | 2.62E-01 | 7.03E-02 | 7.56E-01 | | 1.384 | 5.10E-02 | 2.62E-01 | 7.06E-02 | 7.56E-01 | | 1.39 | 5.10E-02 | 2.62E-01 | 7.08E-02 | 7.56E-01 | | 1.396 | 5.10E-02 | 2.62E-01 | 7.11E-02 | 7.56E-01 | | 1.403 | 5.10E-02 | 2.62E-01 | 7.11E-02 | 7.55E-01 | | 1.409 | 5.10E-02 | 2.62E-01 | 7.12E-02 | 7.55E-01 | | 1.415 | 5.08E-02 | 2.60E-01 | 7.12E-02 | 7.55E-01 | | 1.422 | 5.08E-02 | 2.60E-01 | 7.12E-02 | 7.54E-01 | | 1.428 | 5.07E-02 | 2.60E-01 | 7.12E-02 | 7.54E-01 | | 1.434 | 5.07E-02 | 2.60E-01 | 7.12E-02 | 7.54E-01 | | 1.441 | 5.05E-02 | 2.60E-01 | 7.12E-02 | 7.52E-01 | | 1.447 | 5.05E-02 | 2.60E-01 | 7.12E-02 | 7.52E-01 | | 1.453 | 5.03E-02 | 2.58E-01 | 7.11E-02 | 7.52E-01 | | 1.46 | 5.01E-02 | 2.58E-01 | 7.11E-02 | 7.51E-01 | | 1.466 | 4.99E-02 | 2.58E-01 | 7.09E-02 | 7.51E-01 | | 1.472 | 4.97E-02 | 2.58E-01 | 7.08E-02 | 7.51E-01 | | 1.479 | 4.95E-02 | 2.58E-01 | 7.06E-02 | 7.49E-01 | | 1.485 | 4.93E-02 | 2.58E-01 | 7.05E-02 | 7.49E-01 | | 1.491 | 4.92E-02 | 2.56E-01 | 7.02E-02 | 7.49E-01 | | 1.498 | 4.90E-02 | 2.56E-01 | 7.01E-02 | 7.49E-01 | | 1.504 | 4.86E-02 | 2.56E-01 | 6.98E-02 | 7.48E-01 | | 1.51 | 4.84E-02 | 2.56E-01 | 6.95E-02 | 7.48E-01 | | 1.516 | 4.80E-02 | 2.56E-01 | 6.92E-02 | 7.48E-01 | | 1.523 | 4.78E-02 | 2.56E-01 | 6.89E-02 | 7.46E-01 | | 1.529 | 4.75E-02 | 2.54E-01 | 6.85E-02 | 7.46E-01 | | 1.535 | 4.71E-02 | 2.54E-01 | 6.82E-02 | 7.46E-01 | | 1.542 | 4.67E-02 | 2.54E-01 | 6.78E-02 | 7.45E-01 | | 1.548 | 4.65E-02 | 2.54E-01 | 6.75E-02 | 7.45E-01 | | 1.554 | 4.61E-02 | 2.54E-01 | 6.70E-02 | 7.45E-01 | | 1.561 | 4.58E-02 | 2.54E-01 | 6.66E-02 | 7.45E-01 | | 1.567 | 4.54E-02 | 2.54E-01 | 6.62E-02 | 7.44E-01 | | 1.573 | 4.50E-02 | 2.52E-01 | 6.58E-02 | 7.44E-01 | | 1.58 | 4.46E-02 | 2.52E-01 | 6.53E-02 | 7.44E-01 | | 1.586 | 4.43E-02 | 2.52E-01 | 6.49E-02 | 7.42E-01 | | 1.592 | 4.39E-02 | 2.52E-01 | 6.45E-02 | 7.42E-01 |   Продолжение 5 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 1.598 | 4.35E-02 | 2.52E-01 | 6.40E-02 | 7.42E-01 | | 1.605 | 4.31E-02 | 2.52E-01 | 6.36E-02 | 7.42E-01 | | 1.611 | 4.27E-02 | 2.50E-01 | 6.32E-02 | 7.41E-01 | | 1.617 | 4.24E-02 | 2.50E-01 | 6.28E-02 | 7.41E-01 | | 1.624 | 4.20E-02 | 2.50E-01 | 6.23E-02 | 7.41E-01 | | 1.63 | 4.16E-02 | 2.50E-01 | 6.17E-02 | 7.39E-01 | | 1.636 | 4.12E-02 | 2.50E-01 | 6.13E-02 | 7.39E-01 | | 1.643 | 4.09E-02 | 2.50E-01 | 6.09E-02 | 7.39E-01 | | 1.649 | 4.05E-02 | 2.50E-01 | 6.05E-02 | 7.39E-01 | | 1.655 | 4.01E-02 | 2.50E-01 | 6.00E-02 | 7.38E-01 | | 1.661 | 3.97E-02 | 2.49E-01 | 5.96E-02 | 7.38E-01 | | 1.668 | 3.94E-02 | 2.49E-01 | 5.92E-02 | 7.38E-01 | | 1.674 | 3.90E-02 | 2.49E-01 | 5.87E-02 | 7.38E-01 | | 1.68 | 3.88E-02 | 2.49E-01 | 5.83E-02 | 7.36E-01 | | 1.687 | 3.84E-02 | 2.49E-01 | 5.79E-02 | 7.36E-01 | | 1.693 | 3.80E-02 | 2.49E-01 | 5.76E-02 | 7.36E-01 | | 1.699 | 3.77E-02 | 2.49E-01 | 5.72E-02 | 7.36E-01 | | 1.705 | 3.75E-02 | 2.47E-01 | 5.67E-02 | 7.35E-01 | | 1.712 | 3.71E-02 | 2.47E-01 | 5.64E-02 | 7.35E-01 | | 1.718 | 3.69E-02 | 2.47E-01 | 5.60E-02 | 7.35E-01 | | 1.724 | 3.65E-02 | 2.47E-01 | 5.57E-02 | 7.35E-01 | | 1.731 | 3.63E-02 | 2.47E-01 | 5.54E-02 | 7.34E-01 | | 1.737 | 3.60E-02 | 2.47E-01 | 5.52E-02 | 7.34E-01 | | 1.743 | 3.58E-02 | 2.47E-01 | 5.49E-02 | 7.34E-01 | | 1.749 | 3.56E-02 | 2.47E-01 | 5.46E-02 | 7.34E-01 | | 1.756 | 3.52E-02 | 2.47E-01 | 5.43E-02 | 7.32E-01 | | 1.762 | 3.50E-02 | 2.45E-01 | 5.40E-02 | 7.32E-01 | | 1.768 | 3.48E-02 | 2.45E-01 | 5.39E-02 | 7.32E-01 | | 1.775 | 3.47E-02 | 2.45E-01 | 5.37E-02 | 7.32E-01 | | 1.781 | 3.45E-02 | 2.45E-01 | 5.34E-02 | 7.31E-01 | | 1.787 | 3.45E-02 | 2.45E-01 | 5.33E-02 | 7.31E-01 | | 1.793 | 3.43E-02 | 2.45E-01 | 5.33E-02 | 7.31E-01 | | 1.8 | 3.41E-02 | 2.45E-01 | 5.32E-02 | 7.31E-01 | | 1.806 | 3.41E-02 | 2.45E-01 | 5.30E-02 | 7.31E-01 | | 1.812 | 3.39E-02 | 2.43E-01 | 5.30E-02 | 7.29E-01 | | 1.818 | 3.39E-02 | 2.43E-01 | 5.30E-02 | 7.29E-01 | | 1.825 | 3.37E-02 | 2.43E-01 | 5.29E-02 | 7.29E-01 | | 1.831 | 3.37E-02 | 2.43E-01 | 5.29E-02 | 7.29E-01 | | 1.837 | 3.37E-02 | 2.43E-01 | 5.30E-02 | 7.28E-01 | | 1.844 | 3.37E-02 | 2.43E-01 | 5.30E-02 | 7.28E-01 | | 1.85 | 3.37E-02 | 2.43E-01 | 5.32E-02 | 7.28E-01 | | 1.856 | 3.37E-02 | 2.43E-01 | 5.32E-02 | 7.28E-01 | | 1.862 | 3.37E-02 | 2.43E-01 | 5.33E-02 | 7.26E-01 | | 1.869 | 3.37E-02 | 2.41E-01 | 5.34E-02 | 7.26E-01 | | 1.875 | 3.37E-02 | 2.41E-01 | 5.36E-02 | 7.26E-01 | | 1.881 | 3.39E-02 | 2.41E-01 | 5.39E-02 | 7.26E-01 |   Продолжение 6 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 1.887 | 3.39E-02 | 2.41E-01 | 5.40E-02 | 7.25E-01 | | 1.894 | 3.41E-02 | 2.41E-01 | 5.43E-02 | 7.25E-01 | | 1.9 | 3.41E-02 | 2.41E-01 | 5.44E-02 | 7.25E-01 | | 1.906 | 3.43E-02 | 2.41E-01 | 5.47E-02 | 7.25E-01 | | 1.913 | 3.43E-02 | 2.41E-01 | 5.50E-02 | 7.25E-01 | | 1.919 | 3.45E-02 | 2.41E-01 | 5.53E-02 | 7.23E-01 | | 1.925 | 3.45E-02 | 2.39E-01 | 5.56E-02 | 7.23E-01 | | 1.931 | 3.47E-02 | 2.39E-01 | 5.59E-02 | 7.23E-01 | | 1.938 | 3.48E-02 | 2.39E-01 | 5.62E-02 | 7.23E-01 | | 1.944 | 3.50E-02 | 2.39E-01 | 5.66E-02 | 7.22E-01 | | 1.95 | 3.52E-02 | 2.39E-01 | 5.69E-02 | 7.22E-01 | | 1.956 | 3.54E-02 | 2.39E-01 | 5.73E-02 | 7.22E-01 | | 1.963 | 3.54E-02 | 2.39E-01 | 5.76E-02 | 7.22E-01 | | 1.969 | 3.56E-02 | 2.39E-01 | 5.80E-02 | 7.21E-01 | | 1.975 | 3.58E-02 | 2.39E-01 | 5.85E-02 | 7.21E-01 | | 1.981 | 3.62E-02 | 2.37E-01 | 5.89E-02 | 7.21E-01 | | 1.988 | 3.63E-02 | 2.37E-01 | 5.93E-02 | 7.21E-01 | | 1.994 | 3.65E-02 | 2.37E-01 | 5.97E-02 | 7.19E-01 | | 2 | 3.67E-02 | 2.37E-01 | 6.02E-02 | 7.19E-01 | | 2.006 | 3.69E-02 | 2.37E-01 | 6.06E-02 | 7.19E-01 | | 2.013 | 3.71E-02 | 2.37E-01 | 6.12E-02 | 7.18E-01 | | 2.019 | 3.75E-02 | 2.37E-01 | 6.16E-02 | 7.18E-01 | | 2.025 | 3.77E-02 | 2.37E-01 | 6.22E-02 | 7.18E-01 | | 2.032 | 3.79E-02 | 2.35E-01 | 6.26E-02 | 7.18E-01 | | 2.038 | 3.82E-02 | 2.35E-01 | 6.32E-02 | 7.16E-01 | | 2.044 | 3.84E-02 | 2.35E-01 | 6.38E-02 | 7.16E-01 | | 2.05 | 3.86E-02 | 2.35E-01 | 6.42E-02 | 7.16E-01 | | 2.057 | 3.90E-02 | 2.35E-01 | 6.48E-02 | 7.16E-01 | | 2.063 | 3.92E-02 | 2.35E-01 | 6.53E-02 | 7.15E-01 | | 2.069 | 3.95E-02 | 2.35E-01 | 6.58E-02 | 7.15E-01 | | 2.075 | 3.97E-02 | 2.35E-01 | 6.63E-02 | 7.15E-01 | | 2.082 | 3.99E-02 | 2.34E-01 | 6.69E-02 | 7.13E-01 | | 2.088 | 4.03E-02 | 2.34E-01 | 6.73E-02 | 7.13E-01 | | 2.094 | 4.05E-02 | 2.34E-01 | 6.79E-02 | 7.13E-01 | | 2.1 | 4.07E-02 | 2.34E-01 | 6.85E-02 | 7.12E-01 | | 2.107 | 4.09E-02 | 2.34E-01 | 6.89E-02 | 7.12E-01 | | 2.113 | 4.12E-02 | 2.34E-01 | 6.93E-02 | 7.12E-01 | | 2.119 | 4.14E-02 | 2.34E-01 | 6.99E-02 | 7.12E-01 | | 2.125 | 4.16E-02 | 2.32E-01 | 7.03E-02 | 7.11E-01 | | 2.132 | 4.18E-02 | 2.32E-01 | 7.08E-02 | 7.11E-01 | | 2.138 | 4.20E-02 | 2.32E-01 | 7.12E-02 | 7.11E-01 | | 2.144 | 4.22E-02 | 2.32E-01 | 7.16E-02 | 7.09E-01 | | 2.15 | 4.24E-02 | 2.32E-01 | 7.21E-02 | 7.09E-01 | | 2.157 | 4.26E-02 | 2.32E-01 | 7.25E-02 | 7.09E-01 | | 2.163 | 4.27E-02 | 2.32E-01 | 7.29E-02 | 7.08E-01 | | 2.169 | 4.29E-02 | 2.30E-01 | 7.34E-02 | 7.08E-01 |   Продолжение 7 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 2.175 | 4.31E-02 | 2.30E-01 | 7.38E-02 | 7.08E-01 | | 2.182 | 4.33E-02 | 2.30E-01 | 7.42E-02 | 7.06E-01 | | 2.188 | 4.35E-02 | 2.30E-01 | 7.45E-02 | 7.06E-01 | | 2.194 | 4.37E-02 | 2.30E-01 | 7.49E-02 | 7.06E-01 | | 2.2 | 4.37E-02 | 2.30E-01 | 7.54E-02 | 7.05E-01 | | 2.207 | 4.39E-02 | 2.30E-01 | 7.56E-02 | 7.05E-01 | | 2.213 | 4.41E-02 | 2.28E-01 | 7.61E-02 | 7.05E-01 | | 2.219 | 4.43E-02 | 2.28E-01 | 7.64E-02 | 7.03E-01 | | 2.225 | 4.43E-02 | 2.28E-01 | 7.66E-02 | 7.03E-01 | | 2.232 | 4.44E-02 | 2.28E-01 | 7.71E-02 | 7.03E-01 | | 2.238 | 4.44E-02 | 2.28E-01 | 7.74E-02 | 7.02E-01 | | 2.244 | 4.46E-02 | 2.28E-01 | 7.77E-02 | 7.02E-01 | | 2.25 | 4.48E-02 | 2.28E-01 | 7.79E-02 | 7.02E-01 | | 2.257 | 4.48E-02 | 2.26E-01 | 7.82E-02 | 7.01E-01 | | 2.263 | 4.50E-02 | 2.26E-01 | 7.85E-02 | 7.01E-01 | | 2.269 | 4.50E-02 | 2.26E-01 | 7.88E-02 | 7.01E-01 | | 2.275 | 4.50E-02 | 2.26E-01 | 7.89E-02 | 6.99E-01 | | 2.282 | 4.52E-02 | 2.26E-01 | 7.92E-02 | 6.99E-01 | | 2.288 | 4.52E-02 | 2.26E-01 | 7.95E-02 | 6.99E-01 | | 2.294 | 4.52E-02 | 2.26E-01 | 7.97E-02 | 6.98E-01 | | 2.3 | 4.54E-02 | 2.24E-01 | 7.99E-02 | 6.98E-01 | | 2.306 | 4.54E-02 | 2.24E-01 | 8.01E-02 | 6.98E-01 | | 2.313 | 4.54E-02 | 2.24E-01 | 8.04E-02 | 6.96E-01 | | 2.319 | 4.56E-02 | 2.24E-01 | 8.05E-02 | 6.96E-01 | | 2.325 | 4.56E-02 | 2.24E-01 | 8.08E-02 | 6.96E-01 | | 2.331 | 4.56E-02 | 2.24E-01 | 8.09E-02 | 6.95E-01 | | 2.338 | 4.56E-02 | 2.22E-01 | 8.11E-02 | 6.95E-01 | | 2.344 | 4.56E-02 | 2.22E-01 | 8.12E-02 | 6.95E-01 | | 2.35 | 4.56E-02 | 2.22E-01 | 8.14E-02 | 6.93E-01 | | 2.356 | 4.58E-02 | 2.22E-01 | 8.17E-02 | 6.93E-01 | | 2.363 | 4.58E-02 | 2.22E-01 | 8.18E-02 | 6.92E-01 | | 2.369 | 4.58E-02 | 2.22E-01 | 8.19E-02 | 6.92E-01 | | 2.375 | 4.58E-02 | 2.22E-01 | 8.21E-02 | 6.92E-01 | | 2.381 | 4.58E-02 | 2.20E-01 | 8.22E-02 | 6.91E-01 | | 2.388 | 4.58E-02 | 2.20E-01 | 8.24E-02 | 6.91E-01 | | 2.394 | 4.58E-02 | 2.20E-01 | 8.25E-02 | 6.91E-01 | | 2.4 | 4.58E-02 | 2.20E-01 | 8.27E-02 | 6.89E-01 | | 2.406 | 4.58E-02 | 2.20E-01 | 8.28E-02 | 6.89E-01 | | 2.413 | 4.58E-02 | 2.20E-01 | 8.30E-02 | 6.89E-01 | | 2.419 | 4.60E-02 | 2.18E-01 | 8.31E-02 | 6.88E-01 | | 2.425 | 4.60E-02 | 2.18E-01 | 8.32E-02 | 6.88E-01 | | 2.431 | 4.60E-02 | 2.18E-01 | 8.34E-02 | 6.88E-01 | | 2.438 | 4.60E-02 | 2.18E-01 | 8.35E-02 | 6.86E-01 | | 2.444 | 4.60E-02 | 2.18E-01 | 8.37E-02 | 6.86E-01 | | 2.45 | 4.60E-02 | 2.18E-01 | 8.38E-02 | 6.85E-01 | | 2.456 | 4.60E-02 | 2.18E-01 | 8.40E-02 | 6.85E-01 |   Продолжение 8 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 2.462 | 4.60E-02 | 2.17E-01 | 8.41E-02 | 6.85E-01 | | 2.469 | 4.60E-02 | 2.17E-01 | 8.42E-02 | 6.83E-01 | | 2.475 | 4.60E-02 | 2.17E-01 | 8.45E-02 | 6.83E-01 | | 2.481 | 4.61E-02 | 2.17E-01 | 8.47E-02 | 6.83E-01 | | 2.487 | 4.61E-02 | 2.17E-01 | 8.48E-02 | 6.82E-01 | | 2.494 | 4.61E-02 | 2.17E-01 | 8.50E-02 | 6.82E-01 | | 2.5 | 4.61E-02 | 2.15E-01 | 8.51E-02 | 6.81E-01 | | 2.506 | 4.61E-02 | 2.15E-01 | 8.54E-02 | 6.81E-01 | | 2.512 | 4.61E-02 | 2.15E-01 | 8.55E-02 | 6.81E-01 | | 2.519 | 4.63E-02 | 2.15E-01 | 8.58E-02 | 6.79E-01 | | 2.525 | 4.63E-02 | 2.15E-01 | 8.60E-02 | 6.79E-01 | | 2.531 | 4.63E-02 | 2.15E-01 | 8.62E-02 | 6.79E-01 | | 2.537 | 4.65E-02 | 2.15E-01 | 8.64E-02 | 6.78E-01 | | 2.543 | 4.65E-02 | 2.13E-01 | 8.67E-02 | 6.78E-01 | | 2.55 | 4.65E-02 | 2.13E-01 | 8.68E-02 | 6.76E-01 | | 2.556 | 4.67E-02 | 2.13E-01 | 8.71E-02 | 6.76E-01 | | 2.562 | 4.67E-02 | 2.13E-01 | 8.74E-02 | 6.76E-01 | | 2.568 | 4.67E-02 | 2.13E-01 | 8.77E-02 | 6.75E-01 | | 2.575 | 4.69E-02 | 2.13E-01 | 8.80E-02 | 6.75E-01 | | 2.581 | 4.69E-02 | 2.11E-01 | 8.83E-02 | 6.75E-01 | | 2.587 | 4.71E-02 | 2.11E-01 | 8.85E-02 | 6.73E-01 | | 2.593 | 4.71E-02 | 2.11E-01 | 8.88E-02 | 6.73E-01 | | 2.6 | 4.73E-02 | 2.11E-01 | 8.91E-02 | 6.72E-01 | | 2.606 | 4.73E-02 | 2.11E-01 | 8.94E-02 | 6.72E-01 | | 2.612 | 4.75E-02 | 2.11E-01 | 8.97E-02 | 6.72E-01 | | 2.618 | 4.76E-02 | 2.11E-01 | 9.01E-02 | 6.70E-01 | | 2.624 | 4.76E-02 | 2.09E-01 | 9.04E-02 | 6.70E-01 | | 2.631 | 4.78E-02 | 2.09E-01 | 9.07E-02 | 6.69E-01 | | 2.637 | 4.78E-02 | 2.09E-01 | 9.11E-02 | 6.69E-01 | | 2.643 | 4.80E-02 | 2.09E-01 | 9.15E-02 | 6.69E-01 | | 2.649 | 4.82E-02 | 2.09E-01 | 9.18E-02 | 6.68E-01 | | 2.656 | 4.84E-02 | 2.09E-01 | 9.23E-02 | 6.68E-01 | | 2.662 | 4.84E-02 | 2.07E-01 | 9.27E-02 | 6.66E-01 | | 2.668 | 4.86E-02 | 2.07E-01 | 9.30E-02 | 6.66E-01 | | 2.674 | 4.88E-02 | 2.07E-01 | 9.34E-02 | 6.66E-01 | | 2.681 | 4.90E-02 | 2.07E-01 | 9.38E-02 | 6.65E-01 | | 2.687 | 4.90E-02 | 2.07E-01 | 9.43E-02 | 6.65E-01 | | 2.693 | 4.92E-02 | 2.07E-01 | 9.47E-02 | 6.63E-01 | | 2.699 | 4.93E-02 | 2.05E-01 | 9.51E-02 | 6.63E-01 | | 2.705 | 4.95E-02 | 2.05E-01 | 9.56E-02 | 6.63E-01 | | 2.712 | 4.97E-02 | 2.05E-01 | 9.61E-02 | 6.62E-01 | | 2.718 | 4.99E-02 | 2.05E-01 | 9.66E-02 | 6.62E-01 | | 2.724 | 5.01E-02 | 2.05E-01 | 9.70E-02 | 6.60E-01 | | 2.73 | 5.03E-02 | 2.05E-01 | 9.76E-02 | 6.60E-01 | | 2.737 | 5.05E-02 | 2.03E-01 | 9.80E-02 | 6.59E-01 | | 2.743 | 5.07E-02 | 2.03E-01 | 9.84E-02 | 6.59E-01 | | 2.749 | 5.08E-02 | 2.03E-01 | 9.90E-02 | 6.59E-01 |   Продолжение 9 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 2.755 | 5.10E-02 | 2.03E-01 | 9.94E-02 | 6.58E-01 | | 2.761 | 5.12E-02 | 2.03E-01 | 1.00E-01 | 6.58E-01 | | 2.768 | 5.14E-02 | 2.03E-01 | 1.00E-01 | 6.56E-01 | | 2.774 | 5.16E-02 | 2.02E-01 | 1.01E-01 | 6.56E-01 | | 2.78 | 5.18E-02 | 2.02E-01 | 1.02E-01 | 6.55E-01 | | 2.786 | 5.20E-02 | 2.02E-01 | 1.02E-01 | 6.55E-01 | | 2.793 | 5.22E-02 | 2.02E-01 | 1.03E-01 | 6.55E-01 | | 2.799 | 5.24E-02 | 2.02E-01 | 1.03E-01 | 6.53E-01 | | 2.805 | 5.25E-02 | 2.02E-01 | 1.04E-01 | 6.53E-01 | | 2.811 | 5.27E-02 | 2.00E-01 | 1.04E-01 | 6.52E-01 | | 2.817 | 5.29E-02 | 2.00E-01 | 1.05E-01 | 6.52E-01 | | 2.824 | 5.31E-02 | 2.00E-01 | 1.05E-01 | 6.50E-01 | | 2.83 | 5.33E-02 | 2.00E-01 | 1.06E-01 | 6.50E-01 | | 2.836 | 5.37E-02 | 2.00E-01 | 1.06E-01 | 6.49E-01 | | 2.842 | 5.39E-02 | 2.00E-01 | 1.07E-01 | 6.49E-01 | | 2.849 | 5.40E-02 | 1.98E-01 | 1.07E-01 | 6.48E-01 | | 2.855 | 5.42E-02 | 1.98E-01 | 1.08E-01 | 6.48E-01 | | 2.861 | 5.44E-02 | 1.98E-01 | 1.08E-01 | 6.48E-01 | | 2.867 | 5.46E-02 | 1.98E-01 | 1.09E-01 | 6.46E-01 | | 2.873 | 5.48E-02 | 1.98E-01 | 1.09E-01 | 6.46E-01 | | 2.88 | 5.50E-02 | 1.96E-01 | 1.10E-01 | 6.45E-01 | | 2.886 | 5.52E-02 | 1.96E-01 | 1.10E-01 | 6.45E-01 | | 2.892 | 5.54E-02 | 1.96E-01 | 1.11E-01 | 6.43E-01 | | 2.898 | 5.56E-02 | 1.96E-01 | 1.11E-01 | 6.43E-01 | | 2.905 | 5.57E-02 | 1.96E-01 | 1.12E-01 | 6.42E-01 | | 2.911 | 5.57E-02 | 1.96E-01 | 1.12E-01 | 6.42E-01 | | 2.917 | 5.59E-02 | 1.94E-01 | 1.13E-01 | 6.40E-01 | | 2.923 | 5.61E-02 | 1.94E-01 | 1.13E-01 | 6.40E-01 | | 2.929 | 5.63E-02 | 1.94E-01 | 1.14E-01 | 6.39E-01 | | 2.936 | 5.63E-02 | 1.94E-01 | 1.14E-01 | 6.39E-01 | | 2.942 | 5.65E-02 | 1.94E-01 | 1.15E-01 | 6.38E-01 | | 2.948 | 5.67E-02 | 1.92E-01 | 1.15E-01 | 6.38E-01 | | 2.954 | 5.67E-02 | 1.92E-01 | 1.15E-01 | 6.36E-01 | | 2.961 | 5.69E-02 | 1.92E-01 | 1.16E-01 | 6.36E-01 | | 2.967 | 5.69E-02 | 1.92E-01 | 1.16E-01 | 6.35E-01 | | 2.973 | 5.71E-02 | 1.92E-01 | 1.16E-01 | 6.35E-01 | | 2.979 | 5.73E-02 | 1.90E-01 | 1.17E-01 | 6.33E-01 | | 2.985 | 5.73E-02 | 1.90E-01 | 1.17E-01 | 6.33E-01 | | 2.992 | 5.74E-02 | 1.90E-01 | 1.17E-01 | 6.32E-01 | | 2.998 | 5.74E-02 | 1.90E-01 | 1.18E-01 | 6.32E-01 | | 3.004 | 5.74E-02 | 1.90E-01 | 1.18E-01 | 6.30E-01 | | 3.01 | 5.76E-02 | 1.90E-01 | 1.19E-01 | 6.30E-01 | | 3.017 | 5.76E-02 | 1.88E-01 | 1.19E-01 | 6.29E-01 | | 3.023 | 5.76E-02 | 1.88E-01 | 1.20E-01 | 6.29E-01 | | 3.029 | 5.78E-02 | 1.88E-01 | 1.20E-01 | 6.28E-01 | | 3.035 | 5.78E-02 | 1.88E-01 | 1.21E-01 | 6.28E-01 | | 3.041 | 5.78E-02 | 1.88E-01 | 1.21E-01 | 6.26E-01 |   Продолжение 10 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 3.048 | 5.78E-02 | 1.87E-01 | 1.22E-01 | 6.25E-01 | | 3.054 | 5.78E-02 | 1.87E-01 | 1.22E-01 | 6.25E-01 | | 3.06 | 5.78E-02 | 1.86E-01 | 1.23E-01 | 6.23E-01 | | 3.066 | 5.78E-02 | 1.86E-01 | 1.23E-01 | 6.23E-01 | | 3.073 | 5.78E-02 | 1.86E-01 | 1.24E-01 | 6.22E-01 | | 3.079 | 5.78E-02 | 1.85E-01 | 1.24E-01 | 6.22E-01 | | 3.085 | 5.78E-02 | 1.85E-01 | 1.25E-01 | 6.20E-01 | | 3.091 | 5.78E-02 | 1.85E-01 | 1.25E-01 | 6.20E-01 | | 3.097 | 5.78E-02 | 1.84E-01 | 1.26E-01 | 6.19E-01 | | 3.104 | 5.78E-02 | 1.84E-01 | 1.26E-01 | 6.19E-01 | | 3.11 | 5.76E-02 | 1.84E-01 | 1.26E-01 | 6.17E-01 | | 3.116 | 5.76E-02 | 1.83E-01 | 1.26E-01 | 6.17E-01 | | 3.122 | 5.74E-02 | 1.83E-01 | 1.27E-01 | 6.16E-01 | | 3.128 | 5.74E-02 | 1.82E-01 | 1.27E-01 | 6.15E-01 | | 3.135 | 5.73E-02 | 1.82E-01 | 1.27E-01 | 6.15E-01 | | 3.141 | 5.71E-02 | 1.82E-01 | 1.27E-01 | 6.13E-01 | | 3.147 | 5.71E-02 | 1.82E-01 | 1.27E-01 | 6.13E-01 | | 3.153 | 5.69E-02 | 1.81E-01 | 1.28E-01 | 6.12E-01 | | 3.16 | 5.67E-02 | 1.81E-01 | 1.28E-01 | 6.12E-01 | | 3.166 | 5.67E-02 | 1.80E-01 | 1.28E-01 | 6.10E-01 | | 3.172 | 5.65E-02 | 1.80E-01 | 1.28E-01 | 6.10E-01 | | 3.178 | 5.63E-02 | 1.80E-01 | 1.28E-01 | 6.09E-01 | | 3.184 | 5.61E-02 | 1.79E-01 | 1.28E-01 | 6.07E-01 | | 3.191 | 5.59E-02 | 1.79E-01 | 1.28E-01 | 6.07E-01 | | 3.197 | 5.57E-02 | 1.79E-01 | 1.28E-01 | 6.06E-01 | | 3.203 | 5.56E-02 | 1.78E-01 | 1.28E-01 | 6.06E-01 | | 3.209 | 5.54E-02 | 1.78E-01 | 1.28E-01 | 6.05E-01 | | 3.215 | 5.52E-02 | 1.78E-01 | 1.28E-01 | 6.05E-01 | | 3.222 | 5.50E-02 | 1.77E-01 | 1.28E-01 | 6.03E-01 | | 3.228 | 5.48E-02 | 1.77E-01 | 1.28E-01 | 6.03E-01 | | 3.234 | 5.44E-02 | 1.77E-01 | 1.28E-01 | 6.02E-01 | | 3.24 | 5.42E-02 | 1.76E-01 | 1.27E-01 | 6.00E-01 | | 3.247 | 5.40E-02 | 1.76E-01 | 1.27E-01 | 6.00E-01 | | 3.253 | 5.37E-02 | 1.76E-01 | 1.27E-01 | 5.99E-01 | | 3.259 | 5.35E-02 | 1.75E-01 | 1.27E-01 | 5.99E-01 | | 3.265 | 5.33E-02 | 1.75E-01 | 1.27E-01 | 5.97E-01 | | 3.271 | 5.29E-02 | 1.75E-01 | 1.26E-01 | 5.97E-01 | | 3.278 | 5.27E-02 | 1.74E-01 | 1.26E-01 | 5.96E-01 | | 3.284 | 5.24E-02 | 1.74E-01 | 1.26E-01 | 5.96E-01 | | 3.29 | 5.20E-02 | 1.74E-01 | 1.25E-01 | 5.95E-01 | | 3.296 | 5.18E-02 | 1.73E-01 | 1.25E-01 | 5.95E-01 | | 3.302 | 5.14E-02 | 1.73E-01 | 1.25E-01 | 5.93E-01 | | 3.309 | 5.10E-02 | 1.73E-01 | 1.24E-01 | 5.92E-01 | | 3.315 | 5.07E-02 | 1.72E-01 | 1.24E-01 | 5.92E-01 | | 3.321 | 5.05E-02 | 1.72E-01 | 1.23E-01 | 5.90E-01 | | 3.327 | 5.01E-02 | 1.72E-01 | 1.23E-01 | 5.90E-01 | | 3.333 | 4.97E-02 | 1.71E-01 | 1.22E-01 | 5.89E-01 |   Продолжение 11 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 3.34 | 4.93E-02 | 1.71E-01 | 1.22E-01 | 5.89E-01 | | 3.346 | 4.90E-02 | 1.71E-01 | 1.21E-01 | 5.87E-01 | | 3.352 | 4.86E-02 | 1.70E-01 | 1.21E-01 | 5.87E-01 | | 3.358 | 4.82E-02 | 1.70E-01 | 1.20E-01 | 5.86E-01 | | 3.365 | 4.78E-02 | 1.70E-01 | 1.19E-01 | 5.86E-01 | | 3.371 | 4.73E-02 | 1.70E-01 | 1.19E-01 | 5.85E-01 | | 3.377 | 4.69E-02 | 1.69E-01 | 1.18E-01 | 5.85E-01 | | 3.383 | 4.65E-02 | 1.69E-01 | 1.17E-01 | 5.83E-01 | | 3.389 | 4.61E-02 | 1.69E-01 | 1.17E-01 | 5.83E-01 | | 3.396 | 4.58E-02 | 1.69E-01 | 1.16E-01 | 5.82E-01 | | 3.402 | 4.52E-02 | 1.68E-01 | 1.15E-01 | 5.82E-01 | | 3.408 | 4.48E-02 | 1.68E-01 | 1.14E-01 | 5.80E-01 | | 3.414 | 4.44E-02 | 1.68E-01 | 1.14E-01 | 5.80E-01 | | 3.42 | 4.39E-02 | 1.67E-01 | 1.13E-01 | 5.79E-01 | | 3.427 | 4.35E-02 | 1.67E-01 | 1.12E-01 | 5.79E-01 | | 3.433 | 4.31E-02 | 1.67E-01 | 1.11E-01 | 5.77E-01 | | 3.439 | 4.26E-02 | 1.67E-01 | 1.11E-01 | 5.77E-01 | | 3.445 | 4.22E-02 | 1.66E-01 | 1.10E-01 | 5.76E-01 | | 3.451 | 4.18E-02 | 1.66E-01 | 1.09E-01 | 5.76E-01 | | 3.458 | 4.14E-02 | 1.66E-01 | 1.08E-01 | 5.74E-01 | | 3.464 | 4.09E-02 | 1.66E-01 | 1.07E-01 | 5.74E-01 | | 3.47 | 4.05E-02 | 1.65E-01 | 1.07E-01 | 5.73E-01 | | 3.476 | 4.01E-02 | 1.65E-01 | 1.06E-01 | 5.73E-01 | | 3.483 | 3.97E-02 | 1.65E-01 | 1.05E-01 | 5.72E-01 | | 3.489 | 3.94E-02 | 1.65E-01 | 1.05E-01 | 5.72E-01 | | 3.495 | 3.90E-02 | 1.64E-01 | 1.04E-01 | 5.72E-01 | | 3.501 | 3.86E-02 | 1.64E-01 | 1.03E-01 | 5.70E-01 | | 3.507 | 3.84E-02 | 1.64E-01 | 1.03E-01 | 5.70E-01 | | 3.514 | 3.80E-02 | 1.64E-01 | 1.02E-01 | 5.69E-01 | | 3.52 | 3.77E-02 | 1.63E-01 | 1.02E-01 | 5.69E-01 | | 3.526 | 3.75E-02 | 1.63E-01 | 1.01E-01 | 5.67E-01 | | 3.532 | 3.71E-02 | 1.63E-01 | 1.01E-01 | 5.67E-01 | | 3.538 | 3.69E-02 | 1.63E-01 | 1.00E-01 | 5.66E-01 | | 3.545 | 3.65E-02 | 1.63E-01 | 9.97E-02 | 5.66E-01 | | 3.551 | 3.63E-02 | 1.62E-01 | 9.94E-02 | 5.66E-01 | | 3.557 | 3.62E-02 | 1.62E-01 | 9.90E-02 | 5.64E-01 | | 3.563 | 3.60E-02 | 1.62E-01 | 9.87E-02 | 5.64E-01 | | 3.569 | 3.58E-02 | 1.62E-01 | 9.86E-02 | 5.63E-01 | | 3.576 | 3.56E-02 | 1.61E-01 | 9.83E-02 | 5.63E-01 | | 3.582 | 3.54E-02 | 1.61E-01 | 9.81E-02 | 5.62E-01 | | 3.588 | 3.52E-02 | 1.61E-01 | 9.80E-02 | 5.62E-01 | | 3.594 | 3.52E-02 | 1.61E-01 | 9.79E-02 | 5.62E-01 | | 3.6 | 3.50E-02 | 1.60E-01 | 9.77E-02 | 5.60E-01 | | 3.607 | 3.48E-02 | 1.60E-01 | 9.77E-02 | 5.60E-01 | | 3.613 | 3.48E-02 | 1.60E-01 | 9.76E-02 | 5.59E-01 | | 3.619 | 3.47E-02 | 1.60E-01 | 9.76E-02 | 5.59E-01 | | 3.625 | 3.45E-02 | 1.60E-01 | 9.76E-02 | 5.59E-01 |   Продолжение 12 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 3.632 | 3.45E-02 | 1.59E-01 | 9.74E-02 | 5.57E-01 | | 3.638 | 3.43E-02 | 1.59E-01 | 9.74E-02 | 5.57E-01 | | 3.644 | 3.43E-02 | 1.59E-01 | 9.74E-02 | 5.56E-01 | | 3.65 | 3.41E-02 | 1.59E-01 | 9.73E-02 | 5.56E-01 | | 3.656 | 3.39E-02 | 1.59E-01 | 9.73E-02 | 5.54E-01 | | 3.663 | 3.39E-02 | 1.58E-01 | 9.71E-02 | 5.54E-01 | | 3.669 | 3.37E-02 | 1.58E-01 | 9.68E-02 | 5.54E-01 | | 3.675 | 3.35E-02 | 1.58E-01 | 9.67E-02 | 5.53E-01 | | 3.681 | 3.33E-02 | 1.58E-01 | 9.64E-02 | 5.53E-01 | | 3.687 | 3.31E-02 | 1.57E-01 | 9.61E-02 | 5.52E-01 | | 3.694 | 3.30E-02 | 1.57E-01 | 9.57E-02 | 5.52E-01 | | 3.7 | 3.26E-02 | 1.57E-01 | 9.51E-02 | 5.50E-01 | | 3.706 | 3.24E-02 | 1.57E-01 | 9.46E-02 | 5.50E-01 | | 3.712 | 3.20E-02 | 1.57E-01 | 9.38E-02 | 5.50E-01 | | 3.718 | 3.16E-02 | 1.56E-01 | 9.30E-02 | 5.49E-01 | | 3.725 | 3.13E-02 | 1.56E-01 | 9.20E-02 | 5.49E-01 | | 3.731 | 3.07E-02 | 1.56E-01 | 9.10E-02 | 5.47E-01 | | 3.737 | 3.03E-02 | 1.56E-01 | 8.98E-02 | 5.47E-01 | | 3.743 | 2.98E-02 | 1.56E-01 | 8.85E-02 | 5.47E-01 | | 3.749 | 2.92E-02 | 1.56E-01 | 8.71E-02 | 5.46E-01 | | 3.756 | 2.86E-02 | 1.55E-01 | 8.55E-02 | 5.46E-01 | | 3.762 | 2.81E-02 | 1.55E-01 | 8.38E-02 | 5.46E-01 | | 3.768 | 2.73E-02 | 1.55E-01 | 8.21E-02 | 5.44E-01 | | 3.774 | 2.67E-02 | 1.55E-01 | 8.02E-02 | 5.44E-01 | | 3.78 | 2.60E-02 | 1.55E-01 | 7.81E-02 | 5.44E-01 | | 3.787 | 2.50E-02 | 1.55E-01 | 7.59E-02 | 5.43E-01 | | 3.793 | 2.43E-02 | 1.54E-01 | 7.36E-02 | 5.43E-01 | | 3.799 | 2.35E-02 | 1.54E-01 | 7.13E-02 | 5.43E-01 | | 3.805 | 2.26E-02 | 1.54E-01 | 6.88E-02 | 5.42E-01 | | 3.811 | 2.17E-02 | 1.54E-01 | 6.62E-02 | 5.42E-01 | | 3.818 | 2.07E-02 | 1.54E-01 | 6.35E-02 | 5.42E-01 | | 3.824 | 1.98E-02 | 1.54E-01 | 6.06E-02 | 5.40E-01 | | 3.83 | 1.88E-02 | 1.54E-01 | 5.77E-02 | 5.40E-01 | | 3.836 | 1.77E-02 | 1.53E-01 | 5.47E-02 | 5.40E-01 | | 3.843 | 1.67E-02 | 1.53E-01 | 5.16E-02 | 5.40E-01 | | 3.849 | 1.56E-02 | 1.53E-01 | 4.84E-02 | 5.40E-01 | | 3.855 | 1.46E-02 | 1.53E-01 | 4.53E-02 | 5.39E-01 | | 3.861 | 1.35E-02 | 1.53E-01 | 4.20E-02 | 5.39E-01 | | 3.867 | 1.24E-02 | 1.53E-01 | 3.87E-02 | 5.39E-01 | | 3.874 | 1.13E-02 | 1.53E-01 | 3.54E-02 | 5.39E-01 | | 3.88 | 1.02E-02 | 1.53E-01 | 3.19E-02 | 5.39E-01 | | 3.886 | 9.08E-03 | 1.53E-01 | 2.85E-02 | 5.39E-01 | | 3.892 | 7.98E-03 | 1.53E-01 | 2.52E-02 | 5.37E-01 | | 3.898 | 6.87E-03 | 1.53E-01 | 2.18E-02 | 5.37E-01 | | 3.905 | 5.76E-03 | 1.53E-01 | 1.82E-02 | 5.37E-01 | | 3.911 | 4.65E-03 | 1.53E-01 | 1.48E-02 | 5.37E-01 | | 3.917 | 3.56E-03 | 1.53E-01 | 1.13E-02 | 5.37E-01 |   Продолжение 13 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 3.923 | 2.47E-03 | 1.53E-01 | 7.85E-03 | 5.37E-01 | | 3.929 | 1.36E-03 | 1.53E-01 | 4.36E-03 | 5.37E-01 | | 3.936 | 2.73E-04 | 1.53E-01 | 8.74E-04 | 5.37E-01 | | 3.942 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.948 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.954 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.96 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.967 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.973 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.979 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.985 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.991 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 3.998 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.004 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.01 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.016 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.022 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.029 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.035 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.041 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.047 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.053 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.06 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.066 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.072 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.078 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.084 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.091 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.097 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.103 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.109 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.115 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.122 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.128 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.134 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.14 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.146 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.153 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.159 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.165 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.171 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.177 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.184 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.19 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.196 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.202 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.208 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 |   Продолжение 14 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 4.215 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 5.37E-01 | | 4.221 | 1.29E-03 | 1.53E-01 | 4.38E-03 | 5.37E-01 | | 4.227 | 5.01E-03 | 1.53E-01 | 1.70E-02 | 5.37E-01 | | 4.233 | 8.89E-03 | 1.53E-01 | 3.04E-02 | 5.37E-01 | | 4.239 | 1.29E-02 | 1.53E-01 | 4.41E-02 | 5.37E-01 | | 4.246 | 1.71E-02 | 1.52E-01 | 5.86E-02 | 5.36E-01 | | 4.252 | 2.15E-02 | 1.52E-01 | 7.35E-02 | 5.36E-01 | | 4.258 | 3.13E-02 | 1.52E-01 | 1.07E-01 | 5.36E-01 | | 4.264 | 4.80E-02 | 1.52E-01 | 1.65E-01 | 5.34E-01 | | 4.27 | 7.34E-02 | 1.51E-01 | 2.52E-01 | 5.33E-01 | | 4.277 | 1.07E-01 | 1.51E-01 | 3.68E-01 | 5.30E-01 | | 4.283 | 1.46E-01 | 1.50E-01 | 5.03E-01 | 5.27E-01 | | 4.289 | 1.92E-01 | 1.49E-01 | 6.63E-01 | 5.23E-01 | | 4.295 | 2.45E-01 | 1.47E-01 | 8.42E-01 | 5.19E-01 | | 4.301 | 3.01E-01 | 1.45E-01 | 1.04E+00 | 5.11E-01 | | 4.308 | 3.60E-01 | 1.43E-01 | 1.25E+00 | 5.04E-01 | | 4.314 | 4.22E-01 | 1.40E-01 | 1.46E+00 | 4.94E-01 | | 4.32 | 4.84E-01 | 1.37E-01 | 1.68E+00 | 4.84E-01 | | 4.326 | 5.42E-01 | 1.34E-01 | 1.88E+00 | 4.73E-01 | | 4.332 | 6.01E-01 | 1.30E-01 | 2.08E+00 | 4.60E-01 | | 4.339 | 6.52E-01 | 1.26E-01 | 2.26E+00 | 4.46E-01 | | 4.345 | 6.99E-01 | 1.22E-01 | 2.42E+00 | 4.31E-01 | | 4.351 | 7.38E-01 | 1.17E-01 | 2.56E+00 | 4.15E-01 | | 4.357 | 7.70E-01 | 1.12E-01 | 2.68E+00 | 3.98E-01 | | 4.363 | 7.97E-01 | 1.08E-01 | 2.78E+00 | 3.81E-01 | | 4.37 | 8.14E-01 | 1.02E-01 | 2.84E+00 | 3.64E-01 | | 4.376 | 8.25E-01 | 9.74E-02 | 2.88E+00 | 3.45E-01 | | 4.382 | 8.27E-01 | 9.23E-02 | 2.89E+00 | 3.28E-01 | | 4.388 | 8.25E-01 | 8.72E-02 | 2.88E+00 | 3.09E-01 | | 4.394 | 8.15E-01 | 8.21E-02 | 2.85E+00 | 2.92E-01 | | 4.401 | 8.00E-01 | 7.72E-02 | 2.81E+00 | 2.75E-01 | | 4.407 | 7.83E-01 | 7.23E-02 | 2.75E+00 | 2.58E-01 | | 4.413 | 7.61E-01 | 6.76E-02 | 2.68E+00 | 2.41E-01 | | 4.419 | 7.36E-01 | 6.31E-02 | 2.59E+00 | 2.25E-01 | | 4.425 | 7.10E-01 | 5.86E-02 | 2.49E+00 | 2.09E-01 | | 4.432 | 6.82E-01 | 5.44E-02 | 2.41E+00 | 1.95E-01 | | 4.438 | 6.52E-01 | 5.03E-02 | 2.31E+00 | 1.81E-01 | | 4.444 | 6.21E-01 | 4.65E-02 | 2.19E+00 | 1.66E-01 | | 4.45 | 5.91E-01 | 4.27E-02 | 2.09E+00 | 1.53E-01 | | 4.456 | 5.59E-01 | 3.94E-02 | 1.98E+00 | 1.42E-01 | | 4.463 | 5.29E-01 | 3.62E-02 | 1.88E+00 | 1.30E-01 | | 4.469 | 4.97E-01 | 3.30E-02 | 1.76E+00 | 1.19E-01 | | 4.475 | 4.67E-01 | 3.01E-02 | 1.65E+00 | 1.09E-01 | | 4.481 | 4.35E-01 | 2.73E-02 | 1.55E+00 | 9.93E-02 | | 4.487 | 4.03E-01 | 2.49E-02 | 1.43E+00 | 9.04E-02 | | 4.494 | 3.71E-01 | 2.26E-02 | 1.32E+00 | 8.22E-02 | | 4.5 | 3.37E-01 | 2.05E-02 | 1.20E+00 | 7.48E-02 |   Продолжение 15 **таблицы 3**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | | 4.506 | 3.05E-01 | 1.86E-02 | 1.08E+00 | 6.81E-02 | | 4.512 | 2.71E-01 | 1.69E-02 | 9.68E-01 | 6.20E-02 | | 4.518 | 2.39E-01 | 1.55E-02 | 8.55E-01 | 5.67E-02 | | 4.525 | 2.09E-01 | 1.42E-02 | 7.48E-01 | 5.21E-02 | | 4.531 | 1.81E-01 | 1.31E-02 | 6.49E-01 | 4.81E-02 | | 4.537 | 1.56E-01 | 1.21E-02 | 5.57E-01 | 4.47E-02 | | 4.543 | 1.34E-01 | 1.12E-02 | 4.79E-01 | 4.17E-02 | | 4.549 | 1.15E-01 | 1.05E-02 | 4.13E-01 | 3.91E-02 | | 4.556 | 9.98E-02 | 9.92E-03 | 3.58E-01 | 3.70E-02 | | 4.562 | 8.81E-02 | 9.38E-03 | 3.17E-01 | 3.50E-02 | | 4.568 | 7.97E-02 | 8.87E-03 | 2.87E-01 | 3.32E-02 | | 4.574 | 7.38E-02 | 8.42E-03 | 2.65E-01 | 3.15E-02 | | 4.58 | 6.99E-02 | 7.98E-03 | 2.52E-01 | 2.99E-02 | | 4.587 | 6.72E-02 | 7.57E-03 | 2.42E-01 | 2.85E-02 | | 4.593 | 6.55E-02 | 7.18E-03 | 2.36E-01 | 2.69E-02 | | 4.599 | 6.42E-02 | 6.76E-03 | 2.32E-01 | 2.55E-02 | | 4.605 | 6.29E-02 | 6.38E-03 | 2.28E-01 | 2.42E-02 | | 4.611 | 6.14E-02 | 5.99E-03 | 2.22E-01 | 2.28E-02 | | 4.618 | 5.93E-02 | 5.63E-03 | 2.15E-01 | 2.15E-02 | | 4.624 | 5.71E-02 | 5.27E-03 | 2.06E-01 | 2.02E-02 | | 4.63 | 5.44E-02 | 4.93E-03 | 1.98E-01 | 1.89E-02 | | 4.636 | 5.14E-02 | 4.61E-03 | 1.86E-01 | 1.78E-02 | | 4.642 | 4.84E-02 | 4.31E-03 | 1.76E-01 | 1.66E-02 | | 4.649 | 4.54E-02 | 4.05E-03 | 1.65E-01 | 1.56E-02 | | 4.655 | 4.24E-02 | 3.79E-03 | 1.55E-01 | 1.48E-02 | | 4.661 | 3.94E-02 | 3.54E-03 | 1.43E-01 | 1.38E-02 | | 4.667 | 3.65E-02 | 3.31E-03 | 1.34E-01 | 1.30E-02 | | 4.673 | 3.39E-02 | 3.09E-03 | 1.24E-01 | 1.22E-02 | | 4.68 | 3.13E-02 | 2.90E-03 | 1.15E-01 | 1.15E-02 | | 4.686 | 2.88E-02 | 2.73E-03 | 1.06E-01 | 1.09E-02 | | 4.692 | 2.66E-02 | 2.56E-03 | 9.73E-02 | 1.03E-02 | | 4.698 | 2.43E-02 | 2.41E-03 | 8.90E-02 | 9.71E-03 | | 4.704 | 2.20E-02 | 2.28E-03 | 8.08E-02 | 9.21E-03 | | 4.71 | 1.98E-02 | 2.15E-03 | 7.29E-02 | 8.75E-03 | | 4.717 | 1.78E-02 | 2.03E-03 | 6.55E-02 | 8.35E-03 | | 4.723 | 1.58E-02 | 1.94E-03 | 5.82E-02 | 7.99E-03 | | 4.729 | 1.39E-02 | 1.85E-03 | 5.13E-02 | 7.66E-03 | | 4.735 | 1.21E-02 | 1.78E-03 | 4.47E-02 | 7.39E-03 | | 4.741 | 1.04E-02 | 1.72E-03 | 3.85E-02 | 7.15E-03 | | 4.748 | 8.83E-03 | 1.66E-03 | 3.27E-02 | 6.95E-03 | | 4.754 | 7.33E-03 | 1.62E-03 | 2.71E-02 | 6.79E-03 | | 4.76 | 5.91E-03 | 1.58E-03 | 2.19E-02 | 6.65E-03 | | 4.766 | 4.61E-03 | 1.55E-03 | 1.70E-02 | 6.55E-03 | | 4.772 | 3.41E-03 | 1.53E-03 | 1.26E-02 | 6.46E-03 | | 4.779 | 2.30E-03 | 1.52E-03 | 8.55E-03 | 6.42E-03 | | 4.785 | 1.29E-03 | 1.51E-03 | 4.81E-03 | 6.38E-03 | | 4.791 | 3.84E-04 | 1.50E-03 | 1.43E-03 | 6.38E-03 | |

**КИ1— комбинированный источник жестких гамма квантов (КИГ)**

Полиэтиленовый замедлитель – параллелепипед 200х150х150 мм.

Плотность 0.92 г/см3

Сталь (принять Fe) - пластины толщиной 50 мм.

Плотность – 7.8 г/см3

Детектор излучения Д1 – куб со стороной 30 мм. Располагается на площадках 200х150 и 150х150 мм.

Определить: энергетическое распределение нейтронов и гамма квантов в детекторе (решить ng и g – задачи).

Опредлить суммарный спектр гамма квантов в детекторе.

Вариации: оставить пластины стали только перед детектором.

Главное – спектр гамма квантов для энергий выше 1 МэВ.

**КИ2 - комбинированный источник тепловых нейтронов (КИТН)**

Полиэтиленовый замедлитель – шар диаметрами 10, 12, 14, 16, 18, 20 мм.

Плотность 0.92 г/см3.

Детектор излучения Д2 – куб со стороной 30 мм. Располагается на поверхности шара.

Детектор излучения Д3 – куб со стороной 30 мм. Располагается на расстоянии 150 мм от центра шара.

Определить: энергетическое распределение нейтронов и гамма квантов в детекторе (решить ng и g – задачи).

Опредлить суммарный спектр гамма квантов в детекторе.

Вариации: Детектор излучения Д3 располагается на расстоянии 250 мм от центра шара.

Главное – спектр тепловых нейтронов.